ELKA

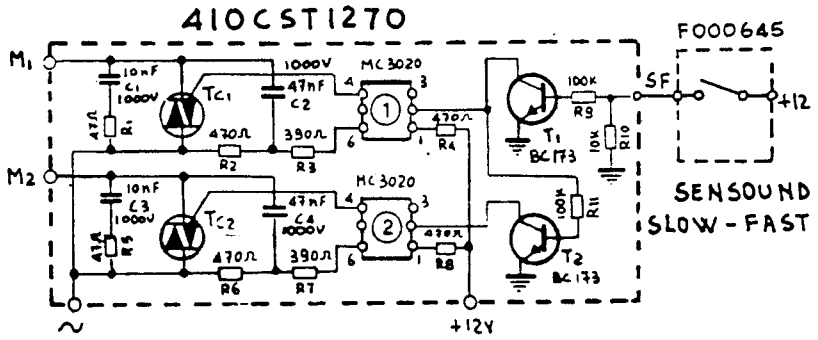
ARTIST 707

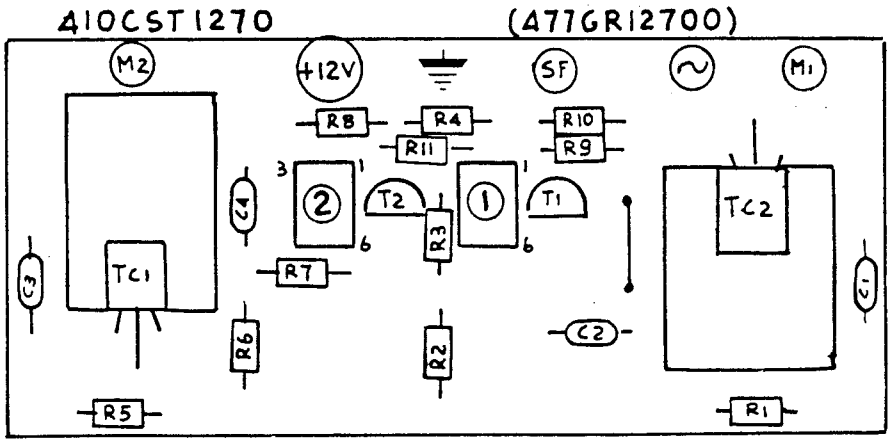
schematic diagrams

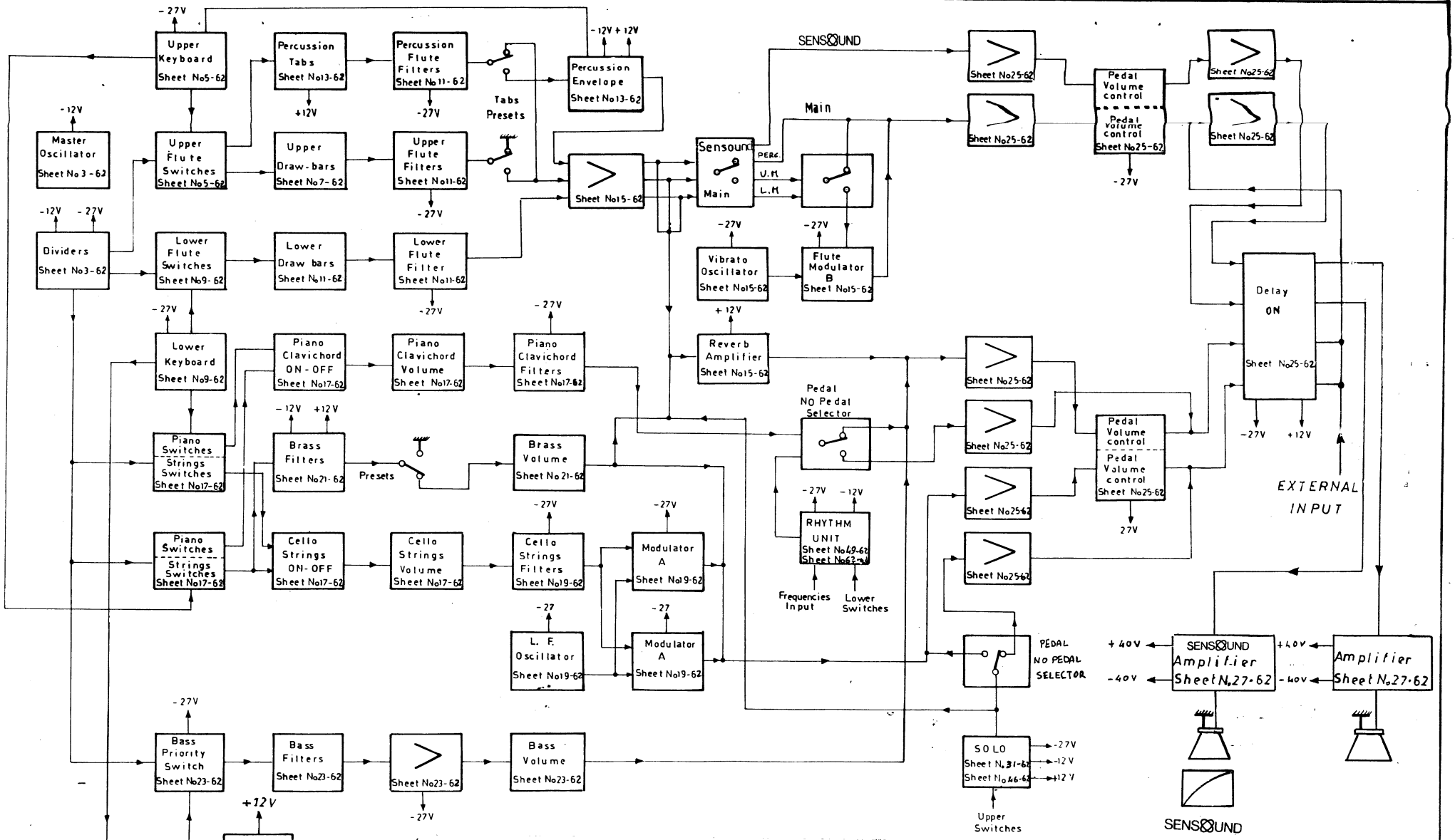
N.B.

F000640 (SENSOUND SPEED SWITCH)
IT WAS REPLACED BY THIS CIRCUIT

TC1 = TC2 = 2N 6075 MOTOROLA
1 - 2 = MCA 3020 MOTOROLA







NOTE:

RESISTORS MOUNTED 10mm ABOVE BOARD

NON INFLAMMABLE RESISTOR MOUNTED 10mm ABOVE BOARD

1/2 w RESISTORS

Transistors	Equivalents
BC 171	BC 173 - BC 108 - BC 208 - BC 209
BC 173	BC 109 - BC 209 - BC 239
BC 415 B	BC 205 B - BC 308 B
BC 415 C	BC 205 C - BC 308 C
BC 205 C	BC 308 C
BC 308 C	BC 205 C

All diodes are FDH4939 Fairchild or BA 130

N. B.

1. The firm reserves the right to make changes without any warning and to their own discretion
2. The tensions are measured when the instrument is turned on but not played

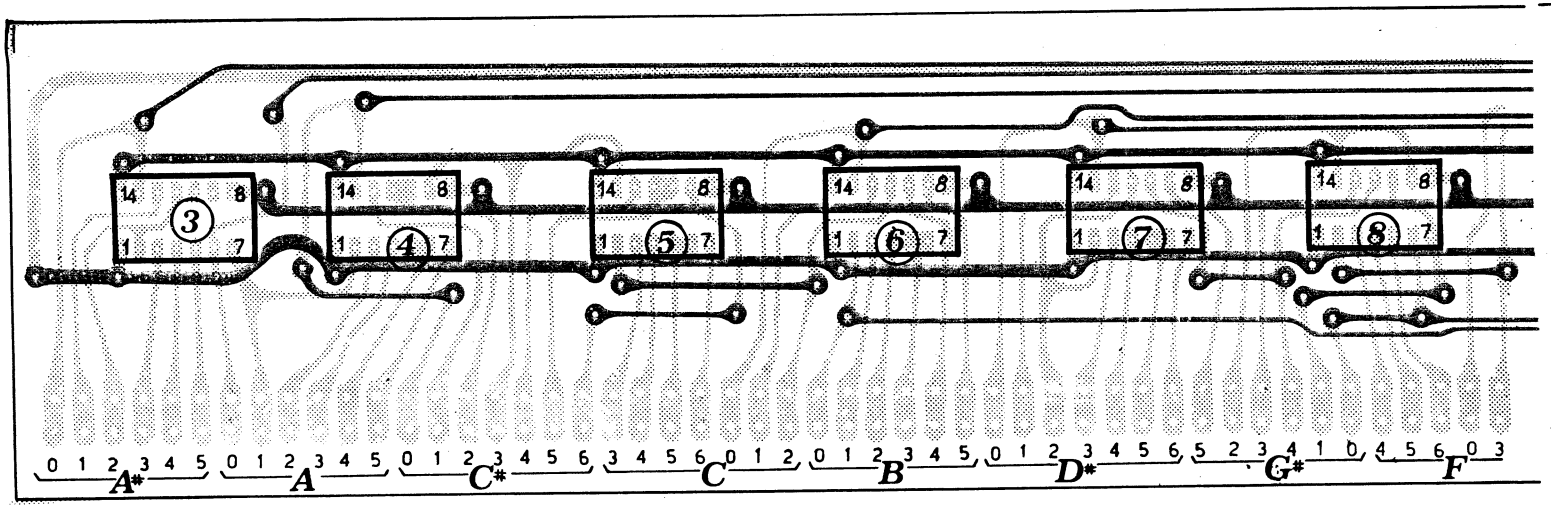
Designed by

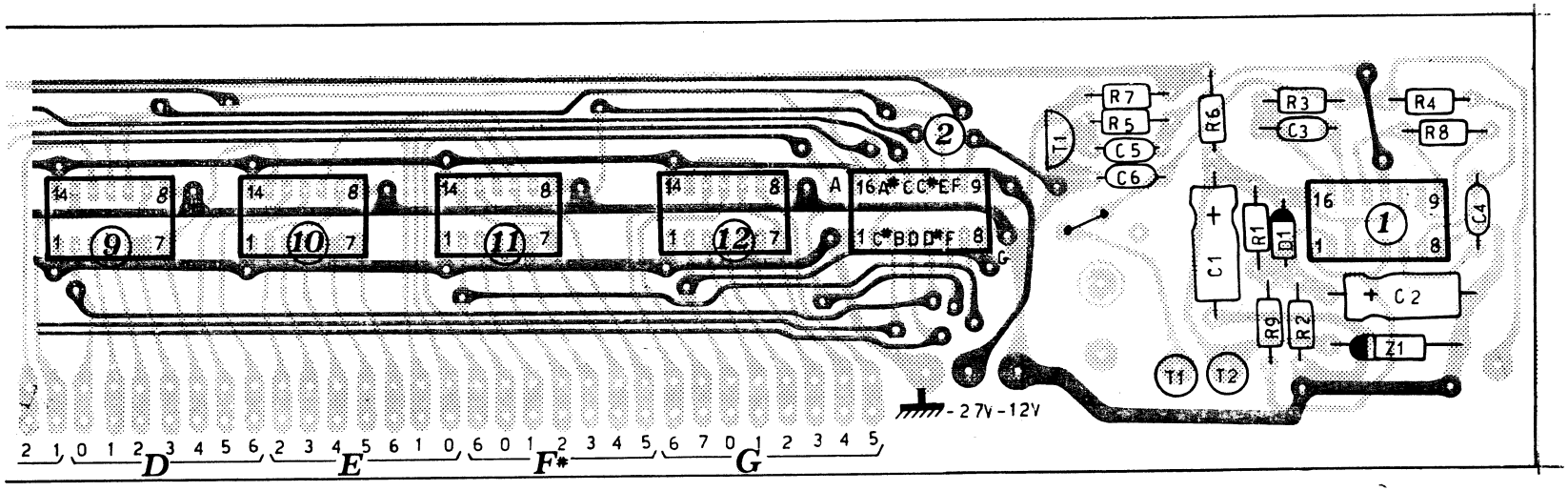
Drawn by

Checked by

Model	Object:	Sheet No 1 - 62
ARTIST 707	Block Diagram	Date 10 - 10 - 77

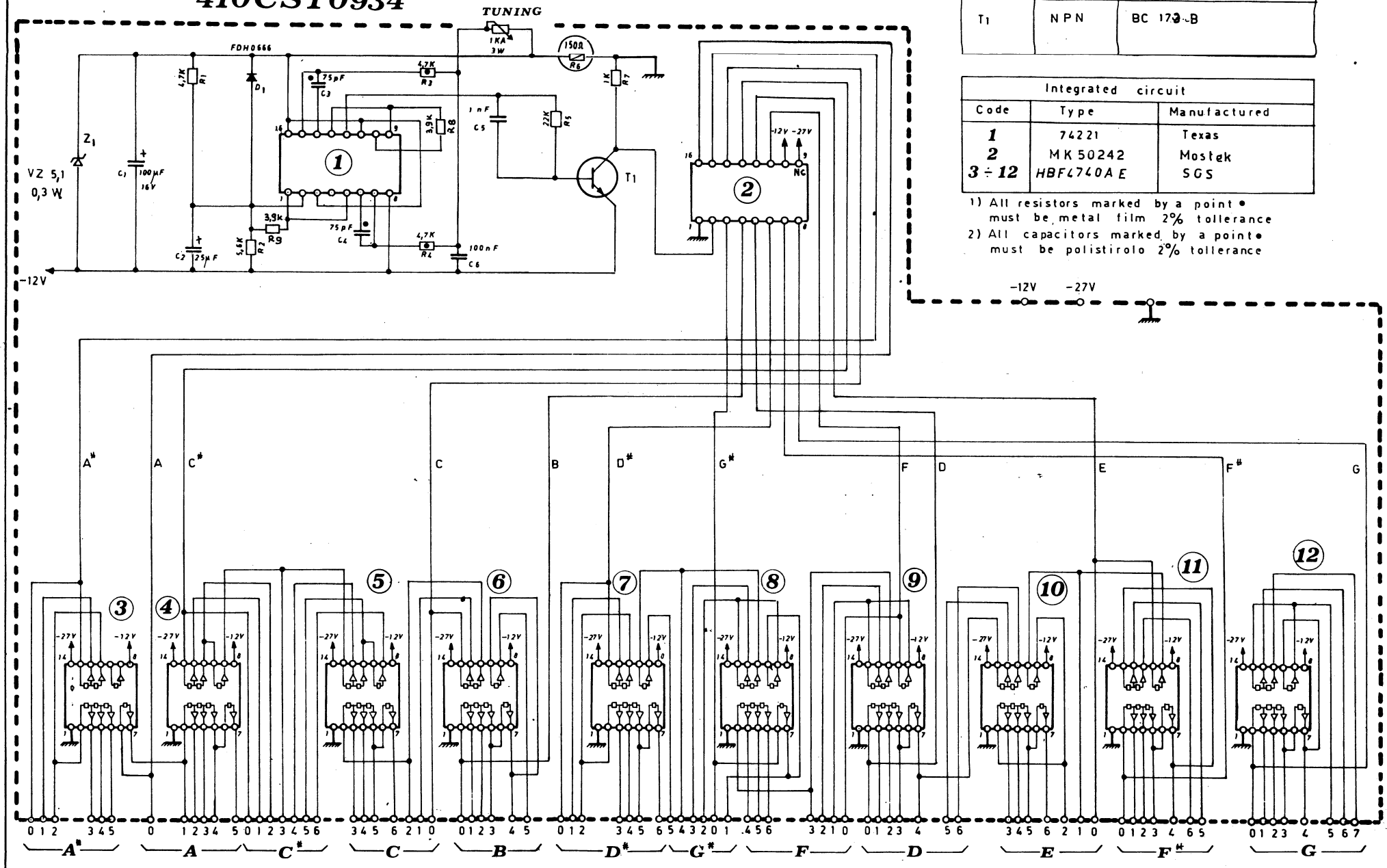
410CST0934 (427GR05843)





	Model	Object	Sheet No 2-62	THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON ASSEMBLED BOARDS
	ARTIST 707	Assembly of Printed Circuit	Date 8-9-78	

410CST0934

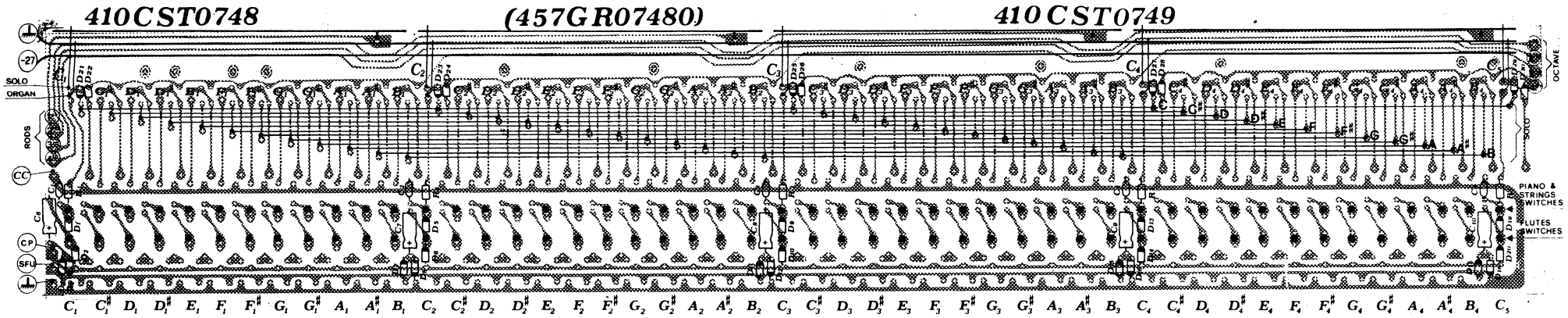


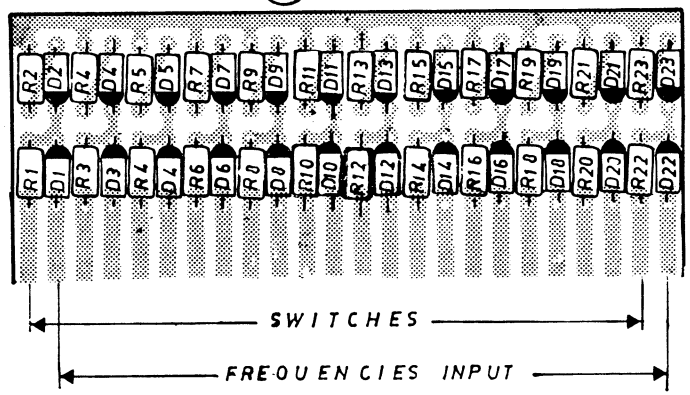
Code	Type	Transistors
T1	NPN	BC 170-B

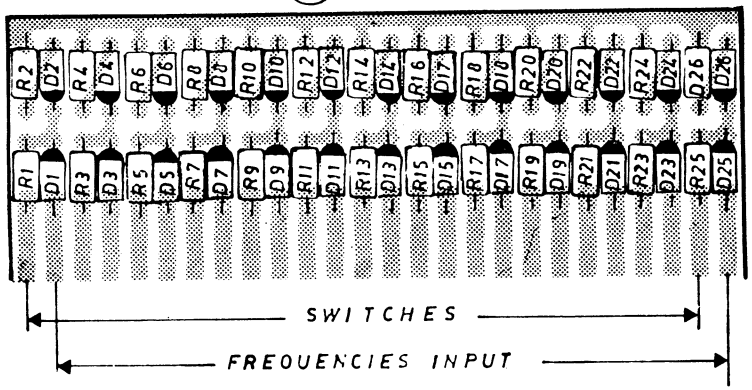
Integrated circuit		
Code	Type	Manufactured
1	74221	Texas
2	MK 50242	Mostek
3 ÷ 12	HBF4740AE	SGS

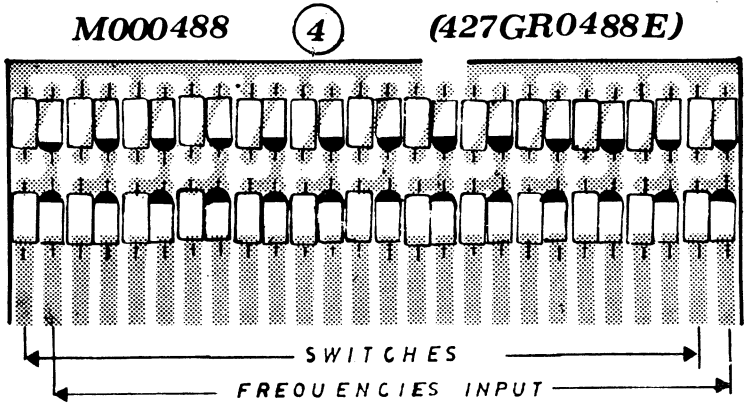
1) All resistors marked by a point • must be metal film 2% tollerance
2) All capacitors marked by a point • must be polistirolo 2% tollerance

Model	Object:	Sheet No. 3-62
ARTIST 707	Master oscillator and Dividers.	Date 3 2 77


410CST0748
(457GR07480)
410CST0749
SOLO ORGAN
RODS
CC
CP
SFU
OCTAVE
SOLO
PIANO & STRINGS SWITCHES
FLUTES SWITCHES
C1 C1# D1 D1# E1 F1 F1# G1 G1# A1 A1# B1 C2 C2# D2 D2# E2 F2 F2# G2 G2# A2 A2# B2 C3 C3# D3 D3# E3 F3 F3# G3 G3# A3 A3# B3 C4 C4# D4 D4# E4 F4 F4# G4 G4# A4 A4# B4 C5

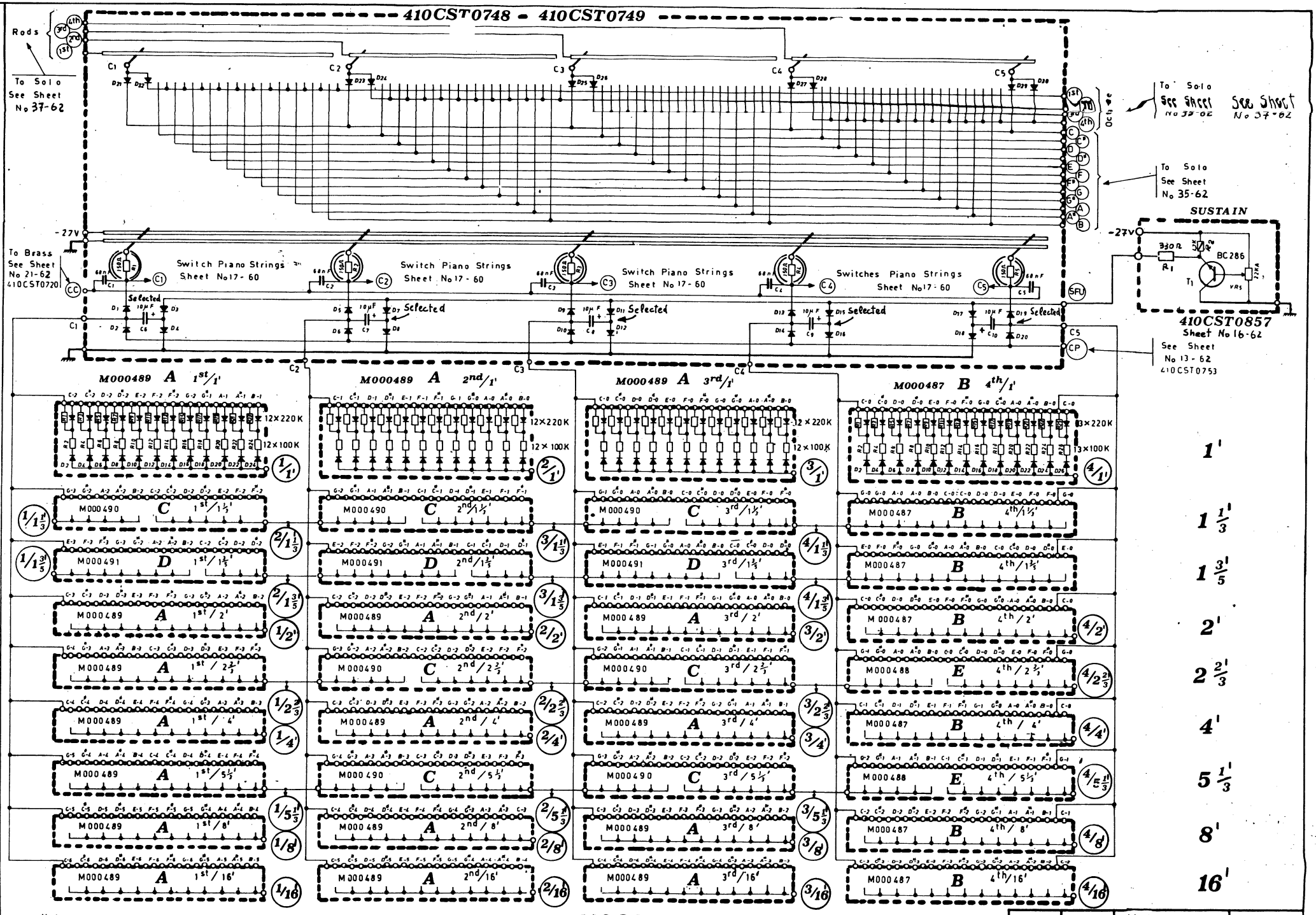






THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model ARTIST 707	Object: Assembly of Printed Circuit	Sheet No 4-62
			Date 19-7-77



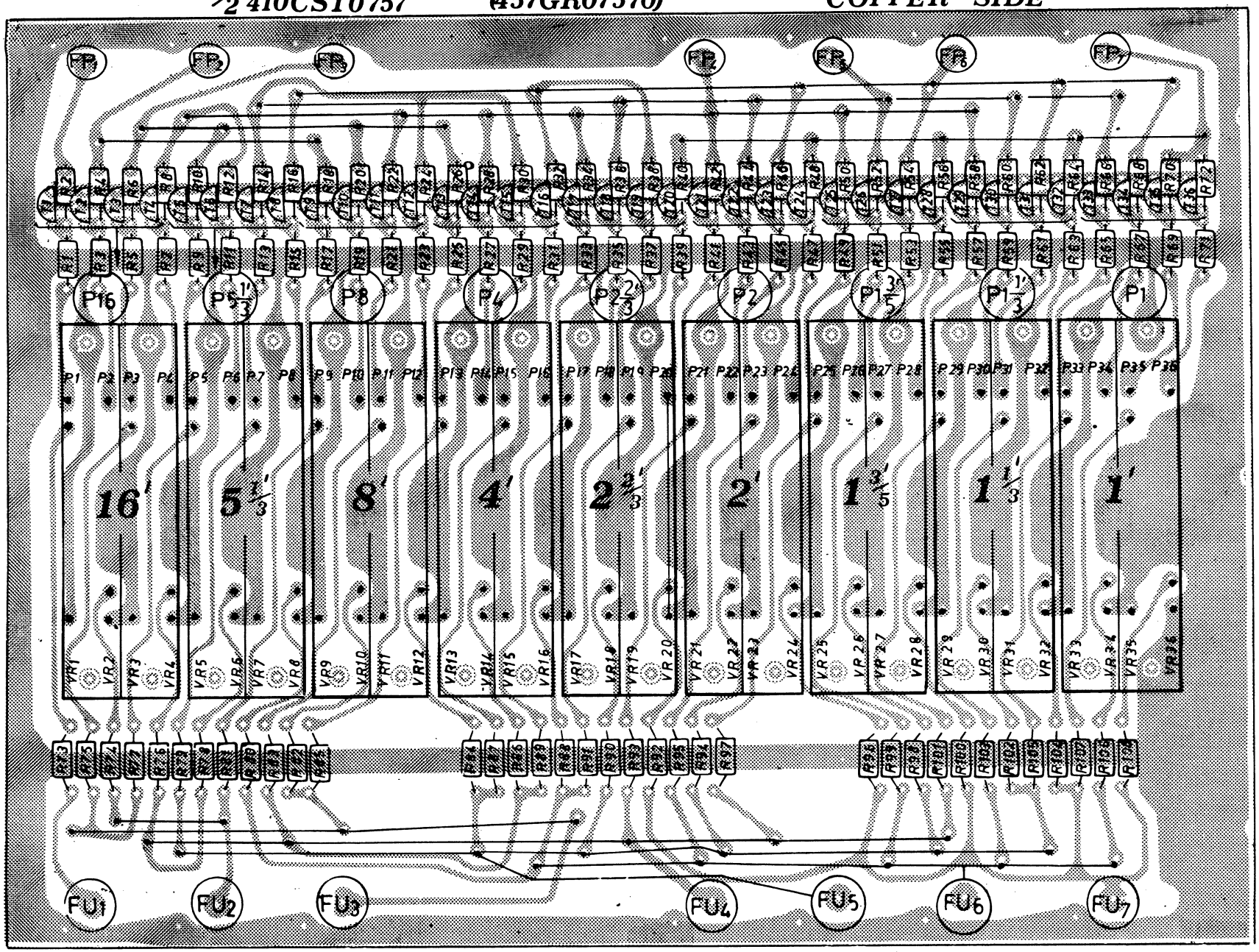
Note:
1) The outputs 1/16' - 2/16' etc.... should be connected to board F000512 Sheet No 7-62

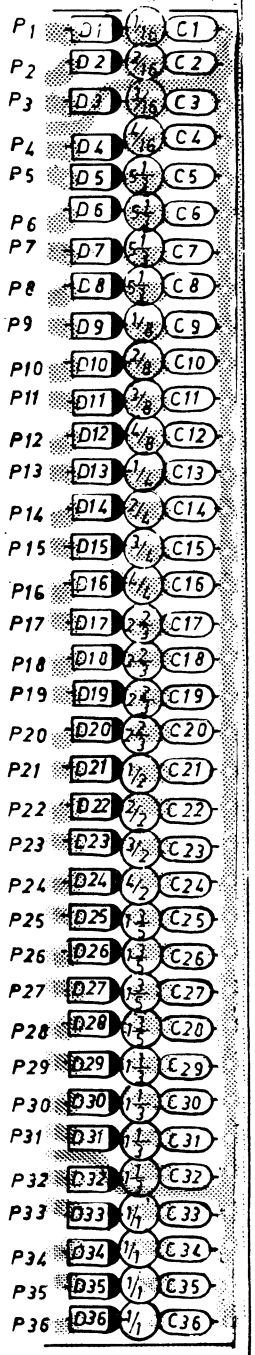
410CST0714

	Model ARTIST 707	Object Upper Keyboard	Sheet No 5-62
			Date 25-8-77

½ 410CST0757 (457GR07570) COPPER SIDE

F000512
(427GR05120)

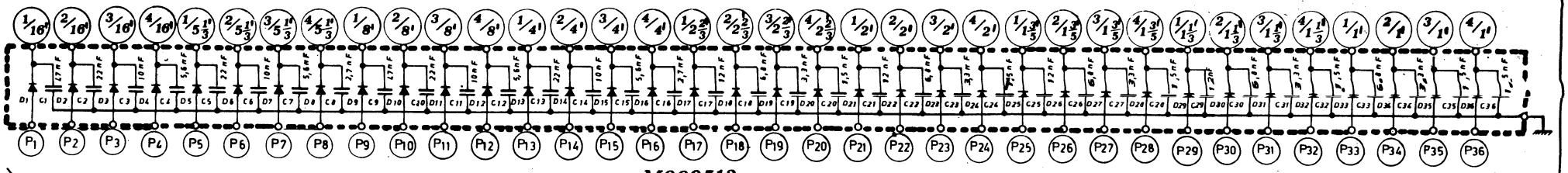




	Model ARTIST 707	Object Assembly of Printed Circuit	Sheet No 6-62
			Date 1-9-77

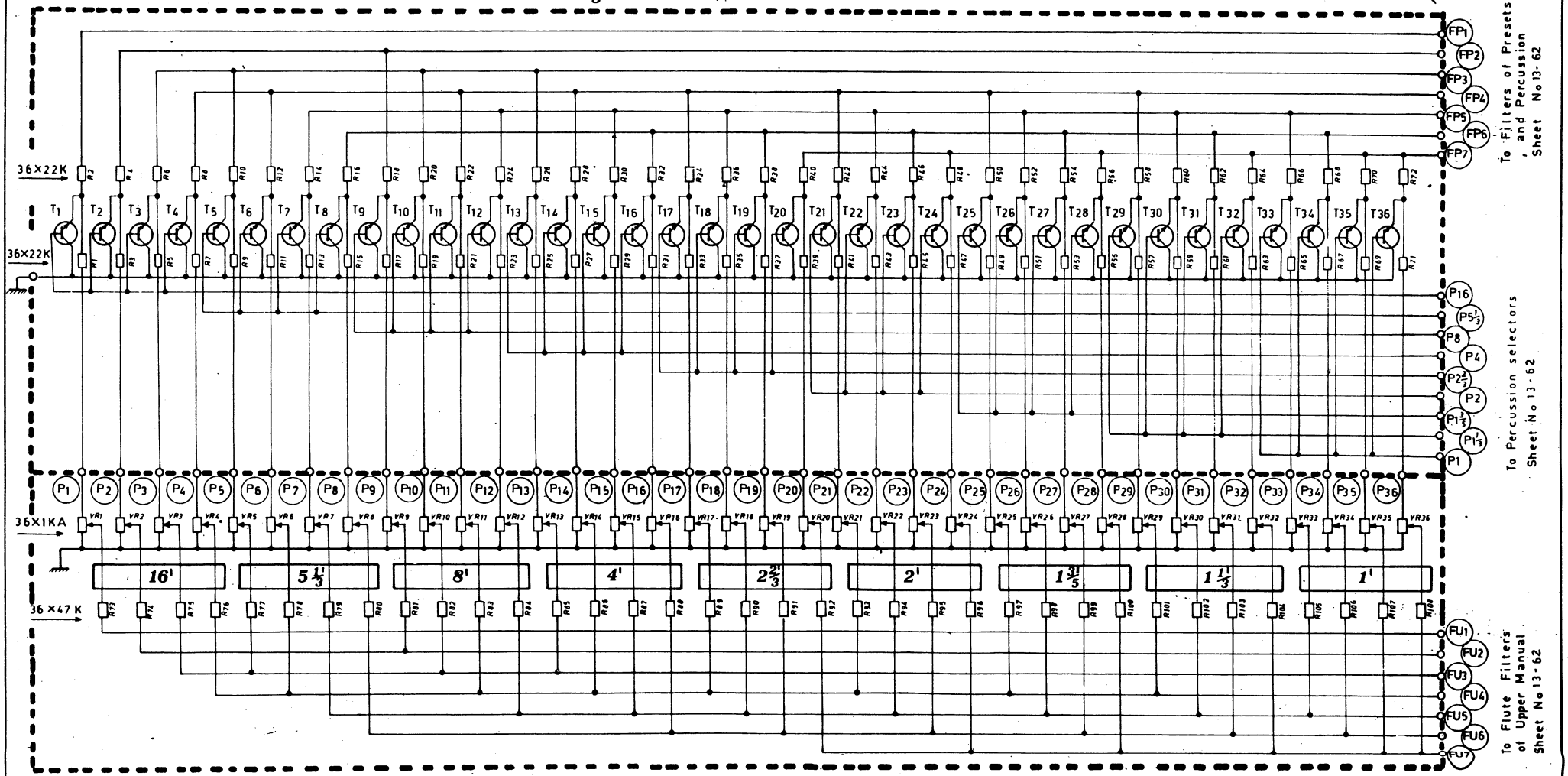
THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS

See Sheet No 5-62



M000512

1/3 410CST0757



To Filters of Presets , and Percussion Sheet No 13-62

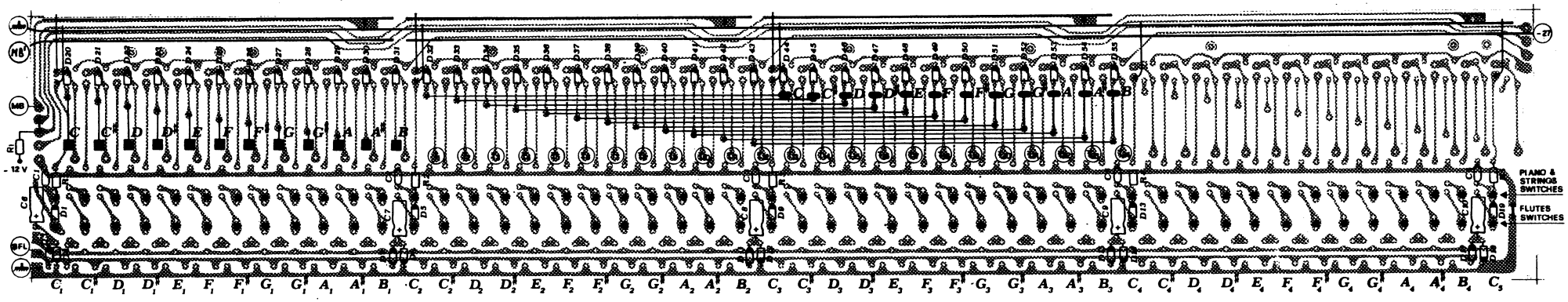
To Percussion selectors Sheet No 13-62

To Flute Filters of Upper Manual Sheet No 13-62

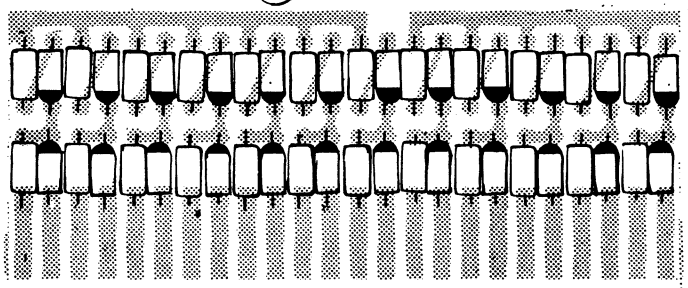
Code	Type	Transistors
T1 ÷ T36	NPN	BC 171

	Model ARTIST 707	Object Upper Keyboard Drawbars	Sheet No 7-62
			Date 9-2-77

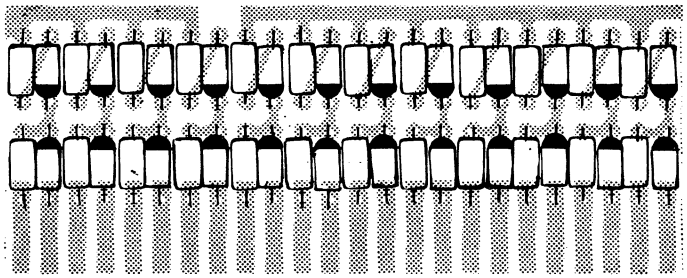
410CST0748 (457GR07481) 410CST0818



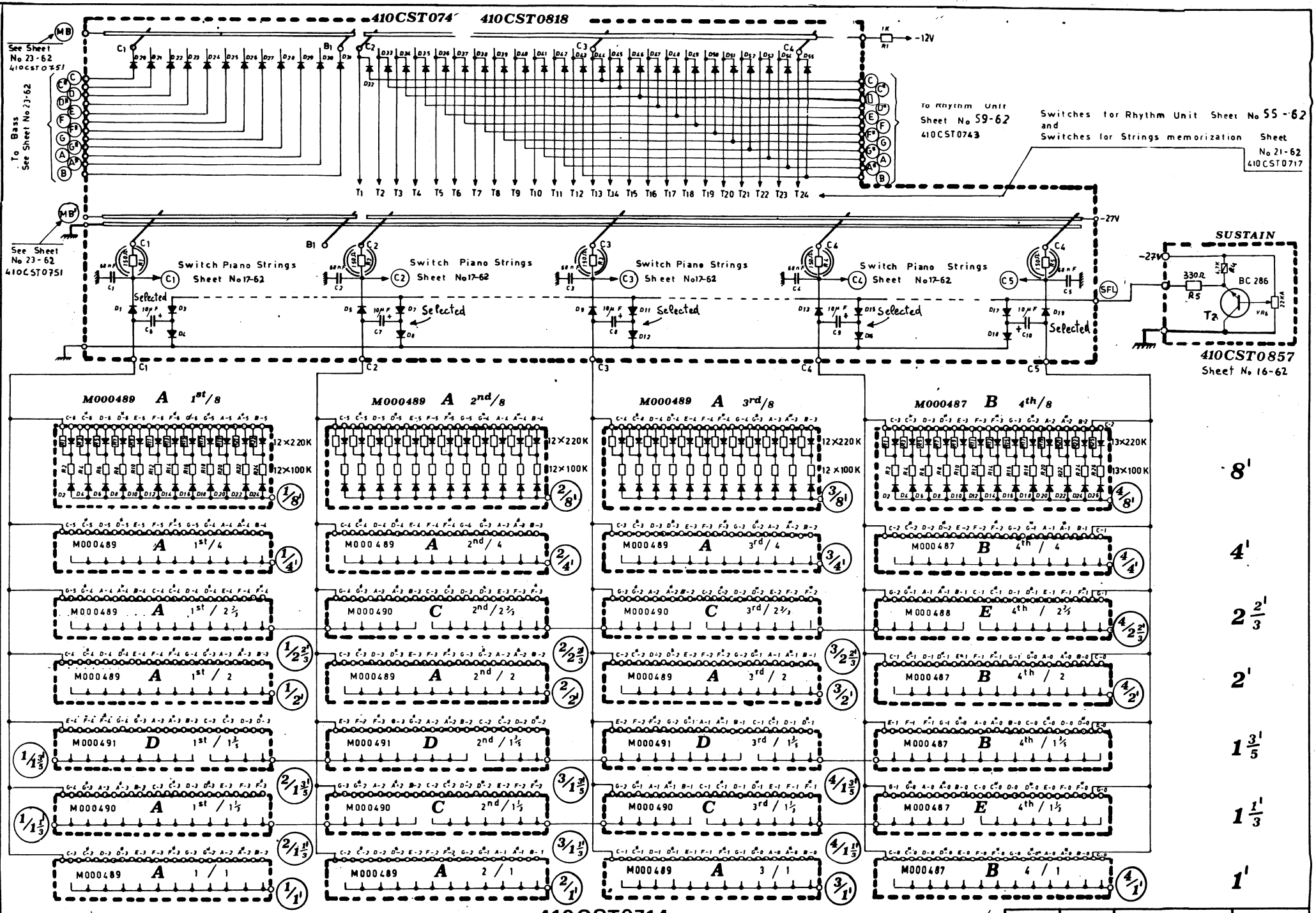
M000490 (11) (427GR0490C)



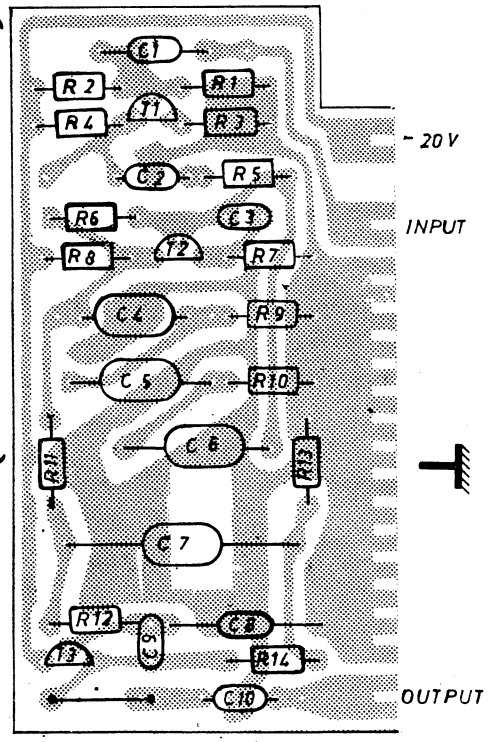
M000491 (6) (427GR0491D)



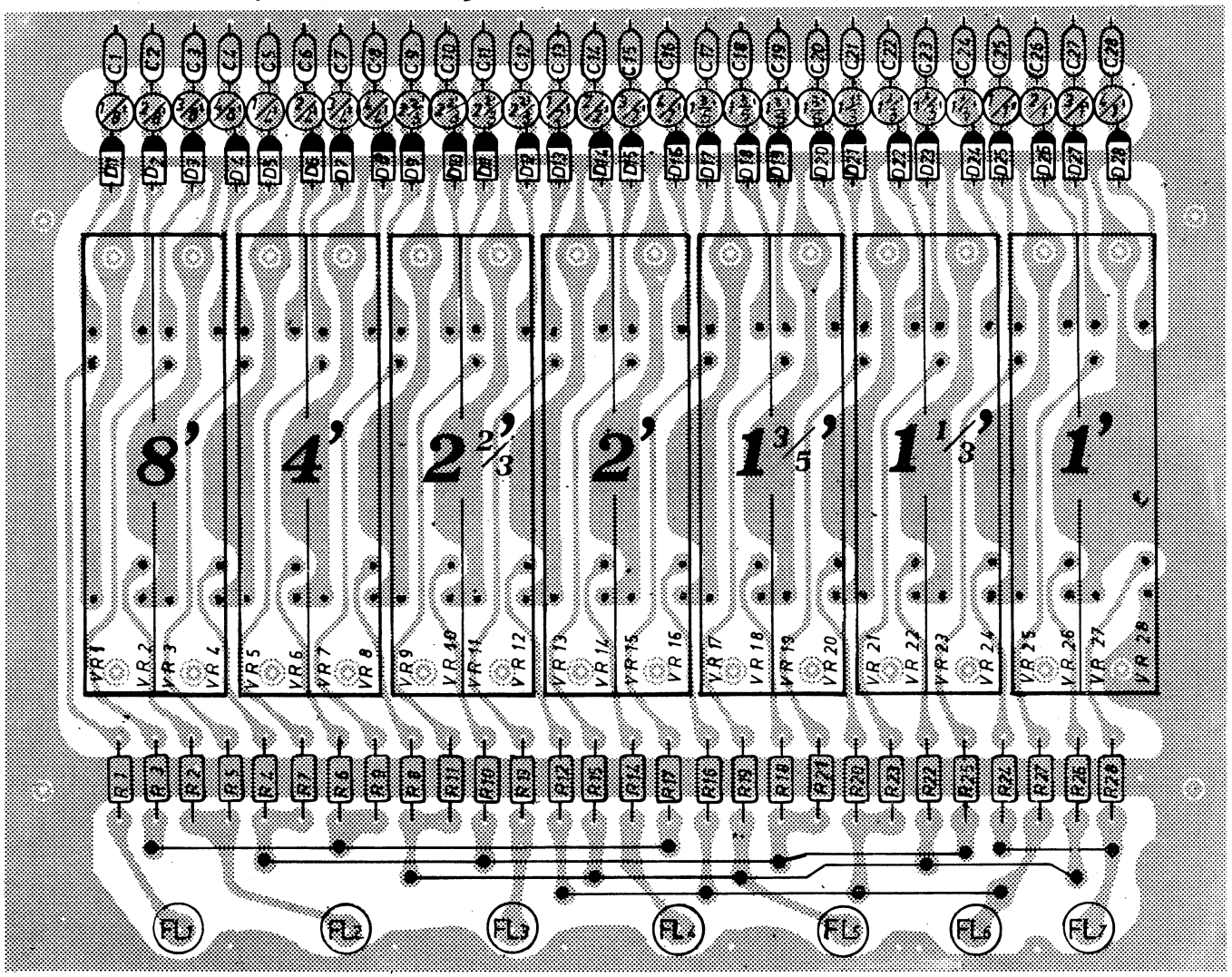
	Model ARTIST 707	Object: Assembly of Printed Circuit	Sheet No 8-62
			Date 10-10-77


410CST074
410CST0818
See Sheet No 23-62 410CST0751
To Bass See Sheet No 23-62
To Rhythm Unit Sheet No 59-62 410CST0743
Switches for Rhythm Unit Sheet No 55-62 and Switches for Strings memorization Sheet No 21-62 410CST0717
-12V
-27V
Switch Piano Strings Sheet No17-62
Selected
SUSTAIN
BC 286
410CST0857 Sheet No 16-62
M000489 A 1st/8
M000489 A 2nd/8
M000489 A 3rd/8
M000487 B 4th/8
12×220K
12×100K
13×220K
13×100K
M000489 A 1st/4
M000489 A 2nd/4
M000489 A 3rd/4
M000487 B 4th/4
M000489 A 1st/2 2/3
M000490 C 2nd/2 2/3
M000490 C 3rd/2 2/3
M000488 E 4th/2 2/3
M000489 A 1st/2
M000489 A 2nd/2
M000489 A 3rd/2
M000487 B 4th/2
M000491 D 1st/1 3/5
M000491 D 2nd/1 3/5
M000491 D 3rd/1 3/5
M000487 B 4th/1 3/5
M000490 A 1st/1 1/3
M000490 C 2nd/1 1/3
M000490 C 3rd/1 1/3
M000487 E 4th/1 1/3
M000489 A 1/1
M000489 A 2/1
M000489 A 3/1
M000487 B 4/1
8'
4'
2 2/3'
2'
1 3/5'
1 1/3'
1'
410CST0714
Note
1) The outputs 1/8' 2/8' etc... should be connected to board 410CST0750 Sheet No11-62
Model ARTIST 707
Object: Lower Keyboard
Sheet No9-62
Date 26-8-77

F000445 (427GRO4451-2-3-4-5-6-7)



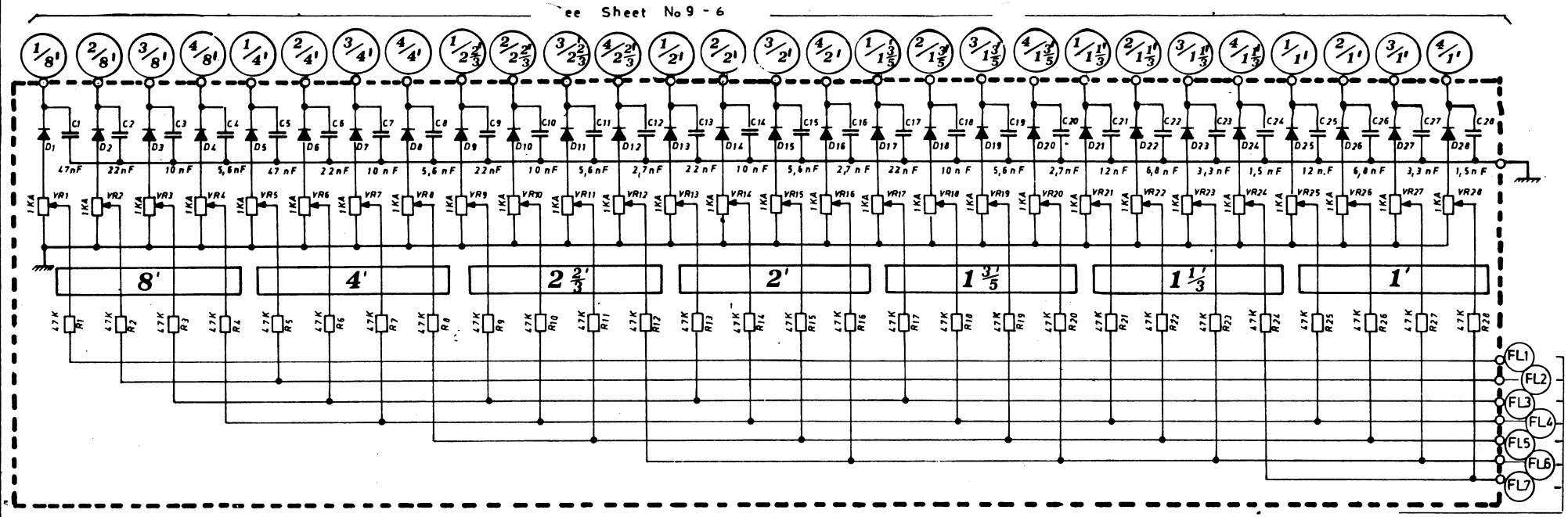
410CST0750 (457GRO7500) Copper Side



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS

	Model ARTIST 707	Object: Assembly of Printed Circuit	Sheet No 10-62
			Date 1-9-77

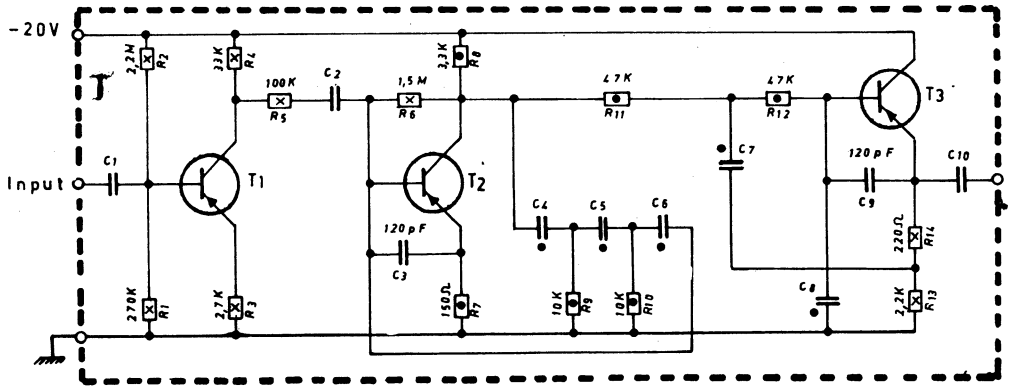
ee Sheet No 9 - 6



410CST0750

To Flute Filters of Lower Manual Sheet No 13 - 62

FILTERS F000445



Code	Type	Transistors
T1 – T3	PNP	BC 415 C
T2	PNP	BC 415 C yellow point or green point

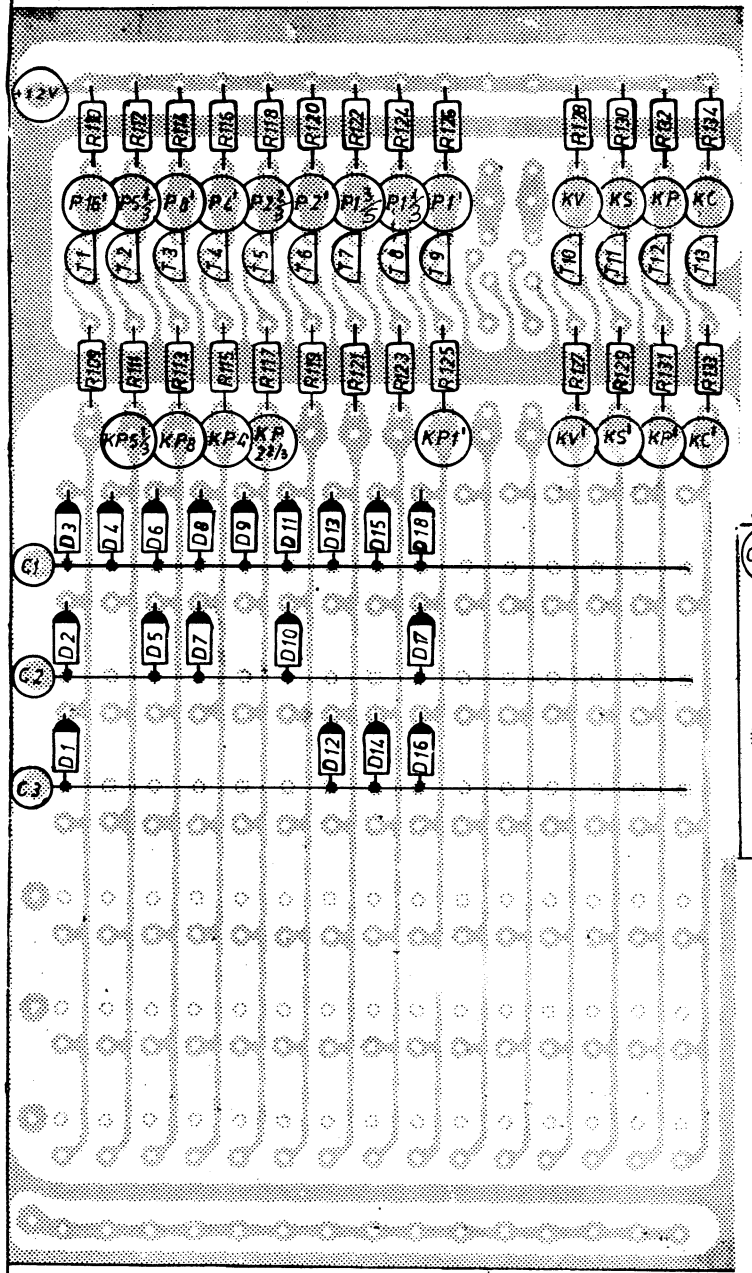
	Upper Lower and Percussion Filters						
	FU1 FL1 FP1	FU2 FL2 FP2	FU3 FL3 FP3	FU4 FL4 FP4	FU5 FL5 FP5	FU6 FL6 FP6	FU7 FL7 FP7
C1	330nF	220nF	100nF	47nF	27nF	12nF	6,8nF
C2	82nF	47nF	22nF	10nF	5,6nF	2,7nF	1,2nF
C4	47,2nF	23,6nF	11,8nF	5,9nF	2,95nF	1475pF	737pF
C5	47,2nF	23,6nF	11,8nF	5,9nF	2,95nF	1475pF	737pF
C6	47,2nF	23,6nF	11,8nF	5,9nF	2,95nF	1475pF	737pF
C7	176nF	88nF	44nF	22nF	11nF	5,5nF	2750pF
C8	16nF	8nF	4nF	2nF	1nF	500pF	250pF
C10	100nF	100nF	100nF	47nF	22nF	10nF	4,7nF

Note

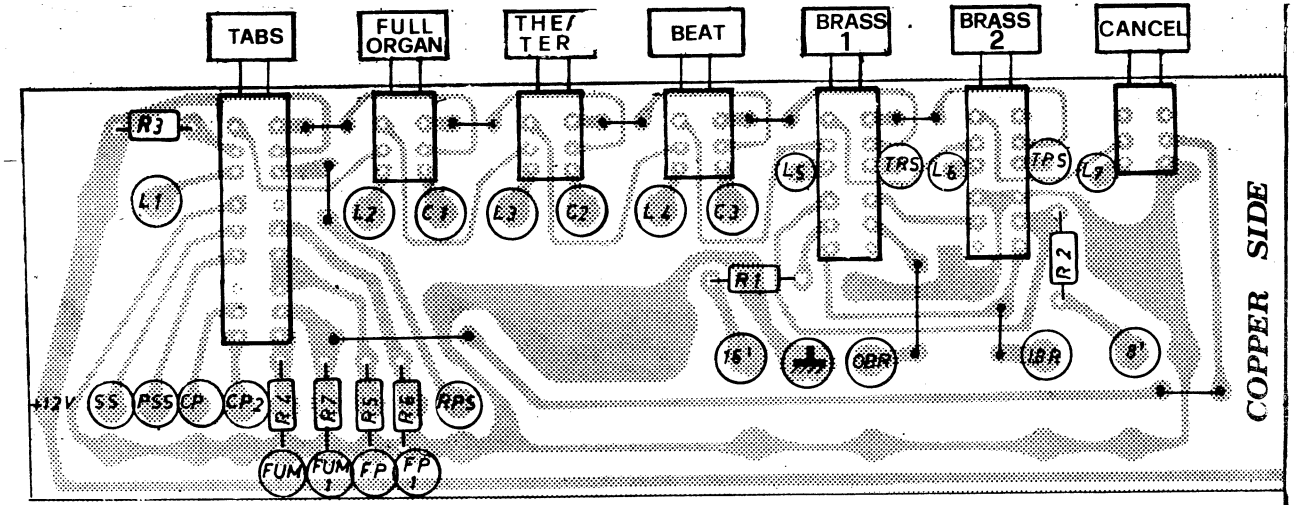
1) All resistors marked by a point • must be metal film ones 2% tollerance
2) All resistors marked by a asterisk x must be carbon film ones 5% tollerance
3) All capacitors marked by a point • are policarbonate 2% tollerance

	Model	Object:	Sheet No 11-62
	ARTIST 707	Lower Manual Draw Bars and Filters	Date 9 – 3 – 77

½ 410CST0757 (457GRO7570)

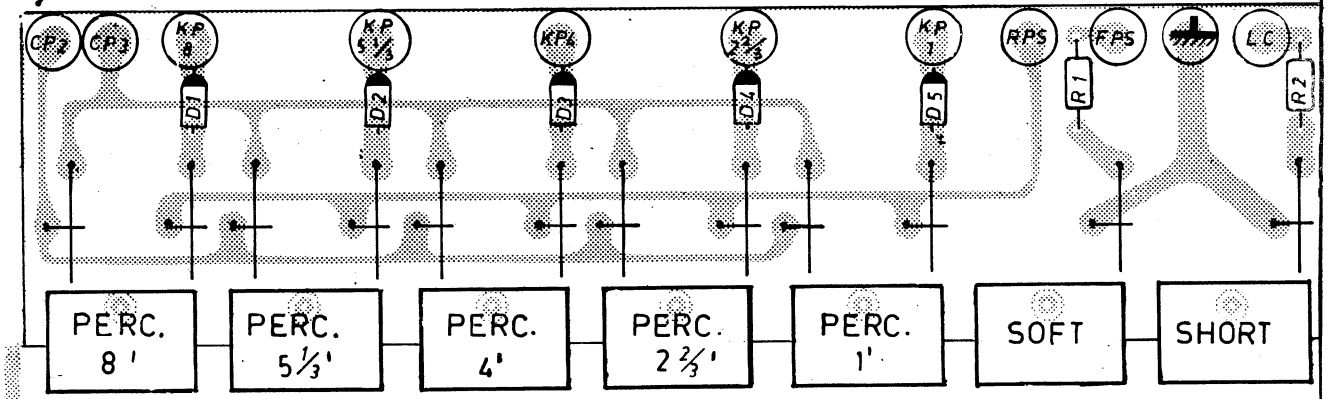


COPPER SIDE

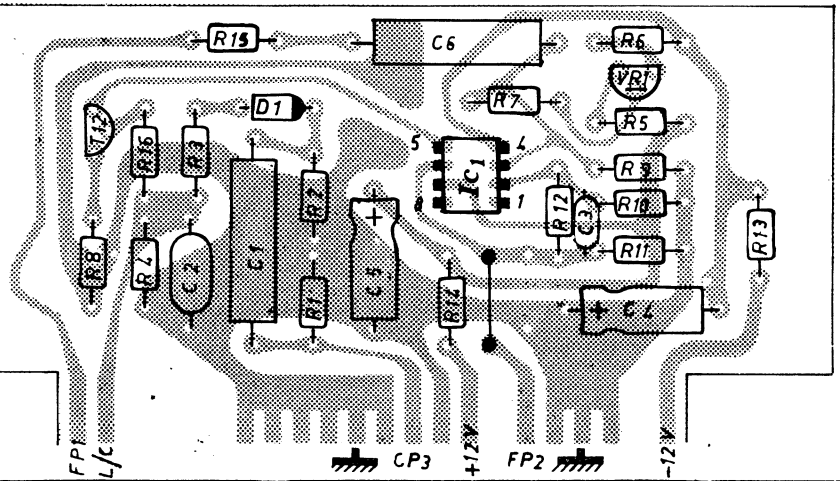


COPPER SIDE

½ 410CST0753 (427GRO7530)
410CST0760 (457GRO7580)



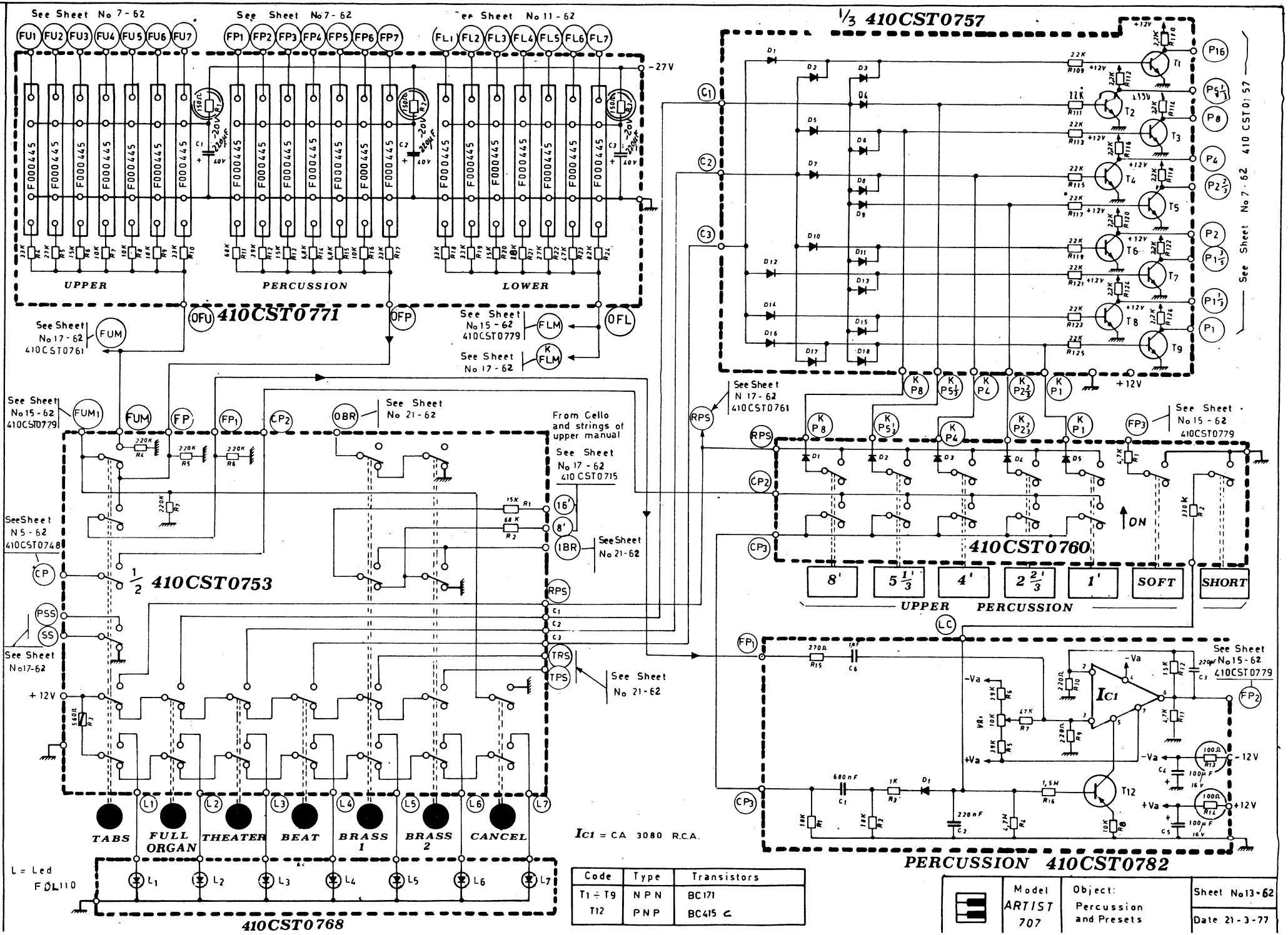
410CST0782



(457GRO7820)

Model	Object:	Sheet No 12-62
ARTIST 707	Assembly of Printed Circuit	Date 14-9-77

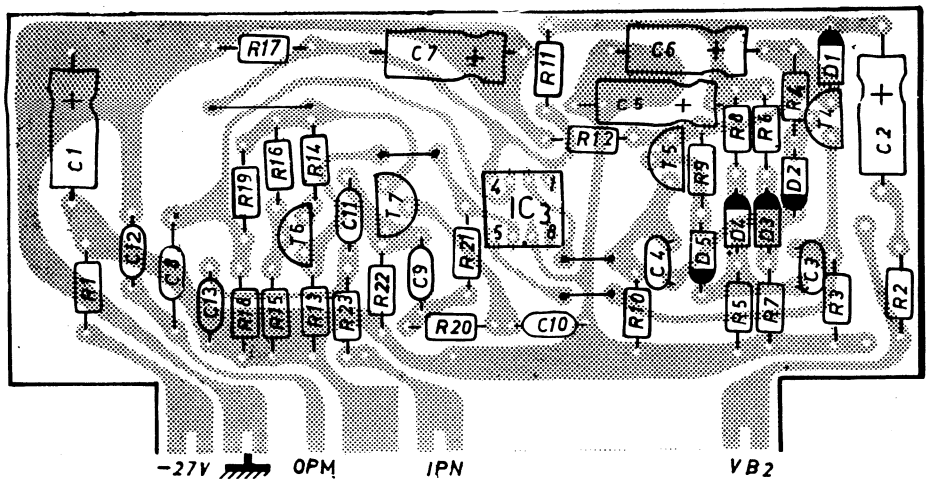
THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON ASSEMBLED BOARDS.



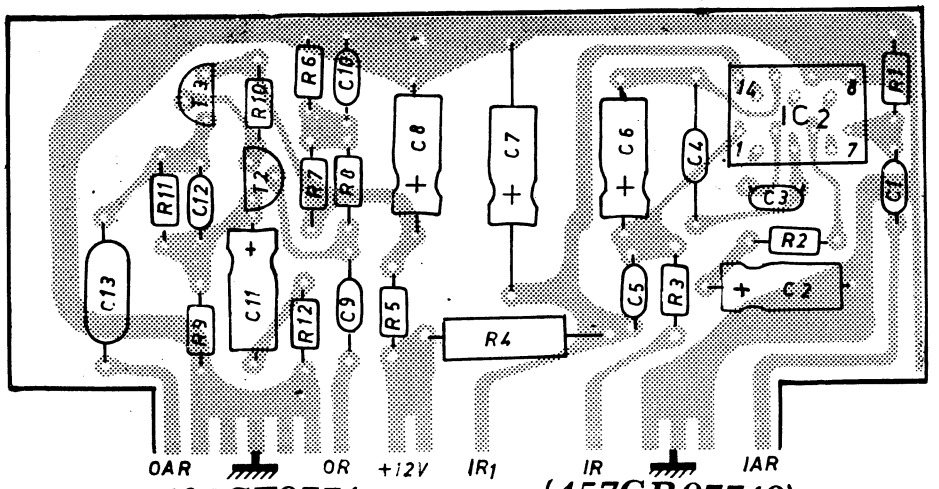
Code	Type	Transistors
T1 ÷ T9	NPN	BC171
T12	PNP	BC415 C

Model	Object:	Sheet No 13-62
ARTIST 707	Percussion and Presets	Date 21-3-77

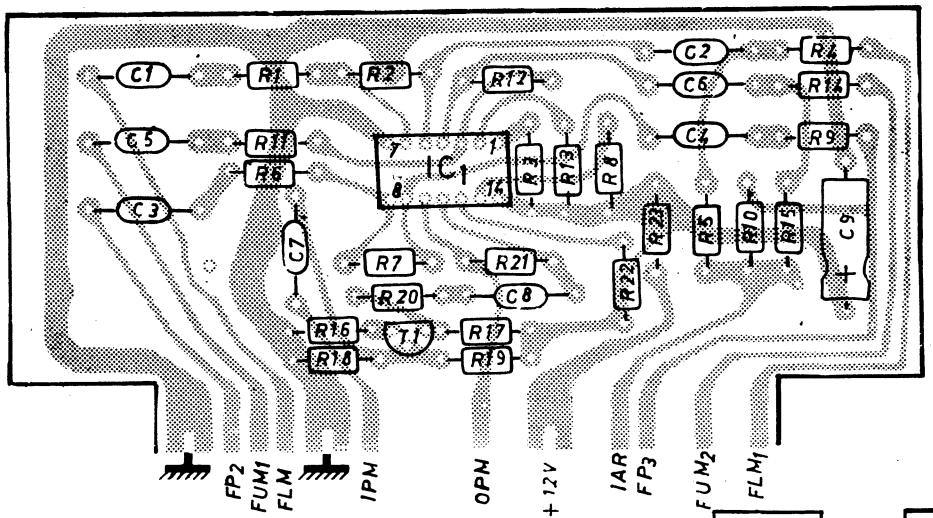
410CST0773 (457GR07 3B



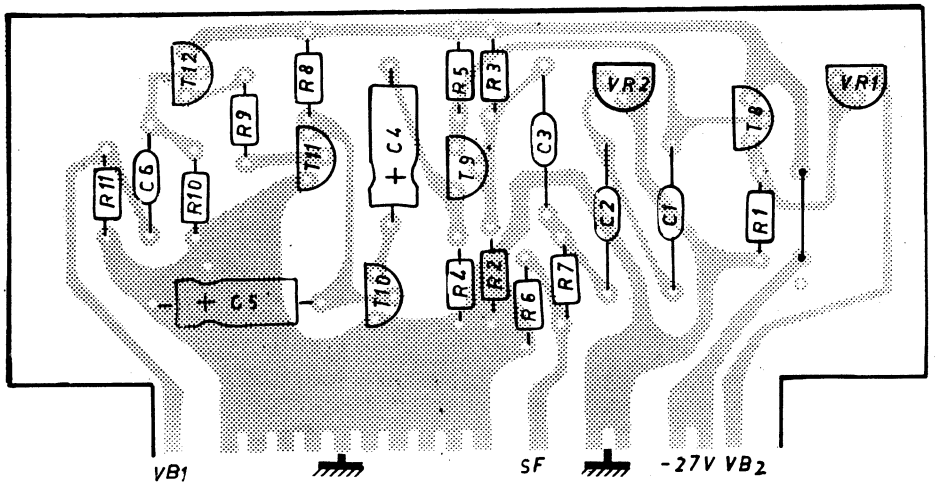
410CS 0781 (457GR07810)



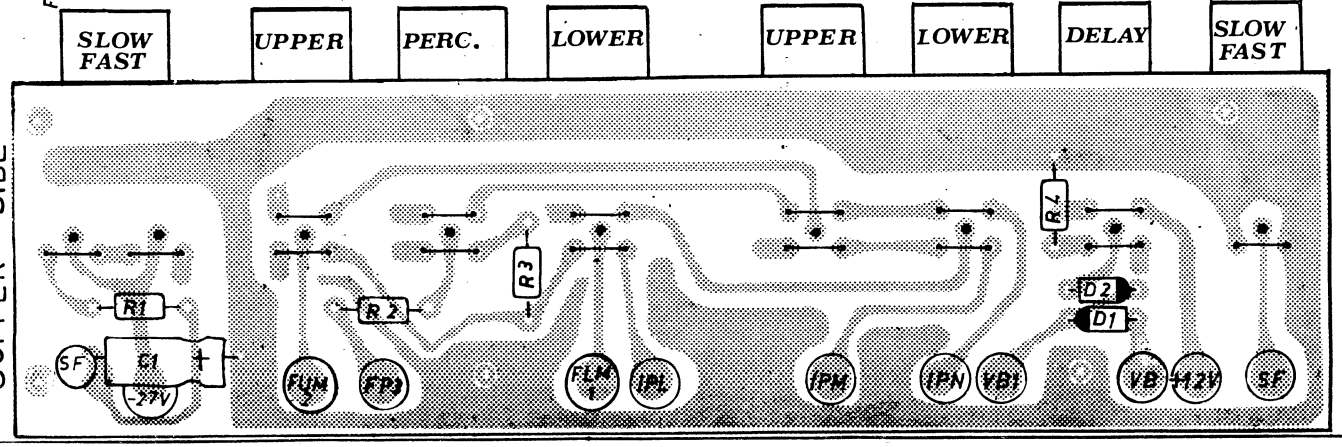
410CST0779 (457GR07790)



410CST0774 (457GR07740)

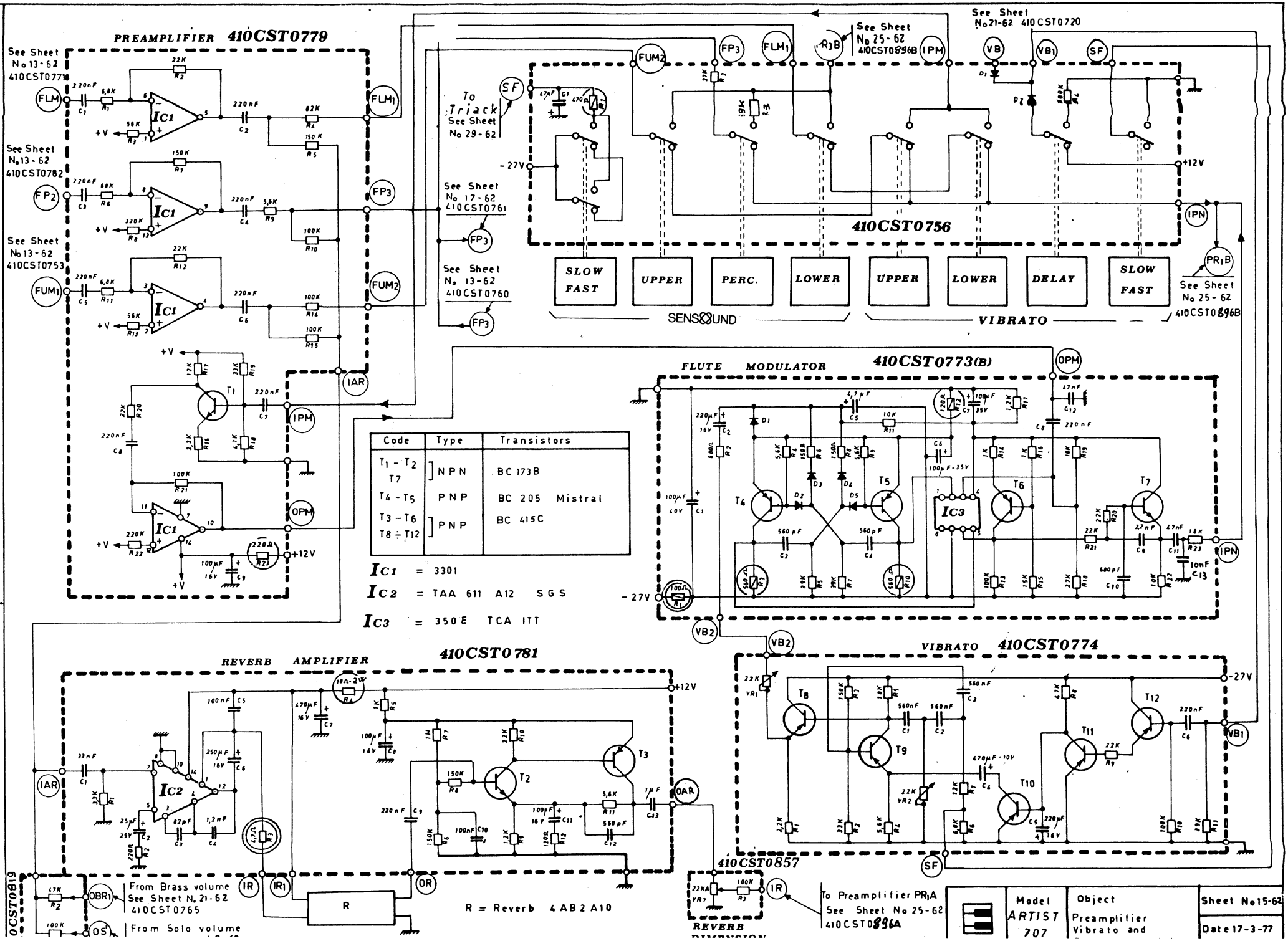


410CST0756 (457PR07560)



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model ARTIST 707	Object: Assembly of Printed Circuit	Sheet No 14-62
			Date 20-9-77



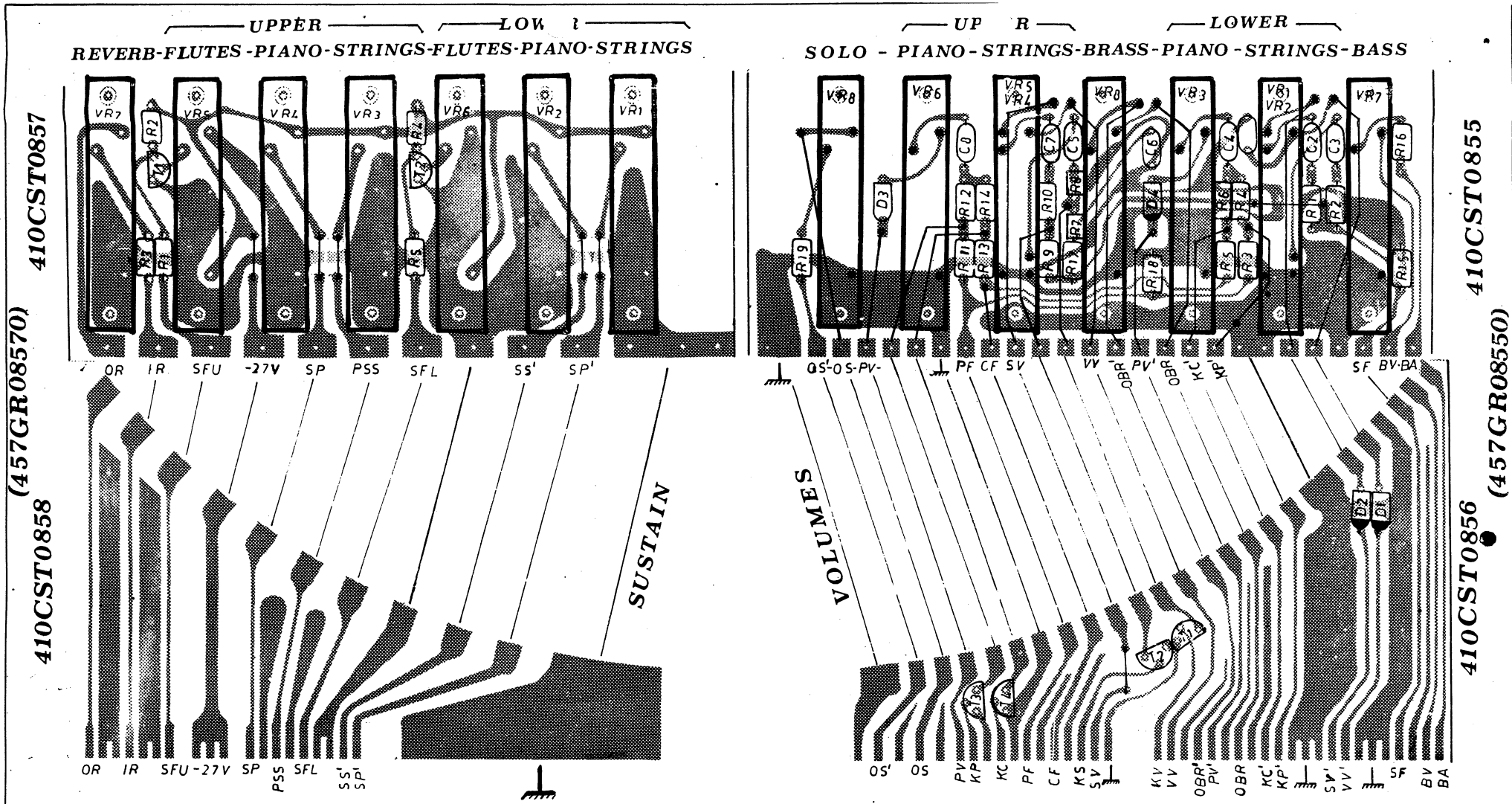
Code	Type	Transistors
T1 - T2 T7	NPN	BC 173B
T4 - T5	PNP	BC 205 Mistral
T3 - T6 T8 ÷ T12	PNP	BC 415C

IC1 = 3301

IC2 = TAA 611 A12 SGS

IC3 = 350E TCA ITT

	Model ARTIST 707	Object Preamplifier Vibrato and	Sheet No 15-62
			Date 17-3-77



LOWER

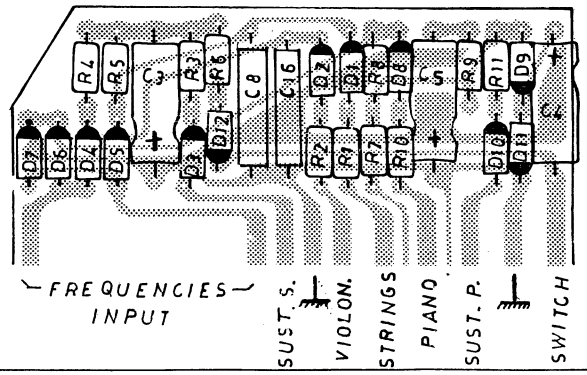
(477GR0589E)
(" " " " F)
(" " " " G)
(" " " " H)
(" " " " L)
(" " " " M)
(" " " " N)
(" " " " O)
(" " " " P)
(" " " " R)
(" " " " S)
(" " " " T)

UPPER

(477GR0589O)
(" " " " 3)
(" " " " 4)
(" " " " 5)
(" " " " 6)
(" " " " 7)
(" " " " 8)
(" " " " 9)
(477GR0380O)
(" " " " 1)
(" " " " 2)
(" " " " 3)

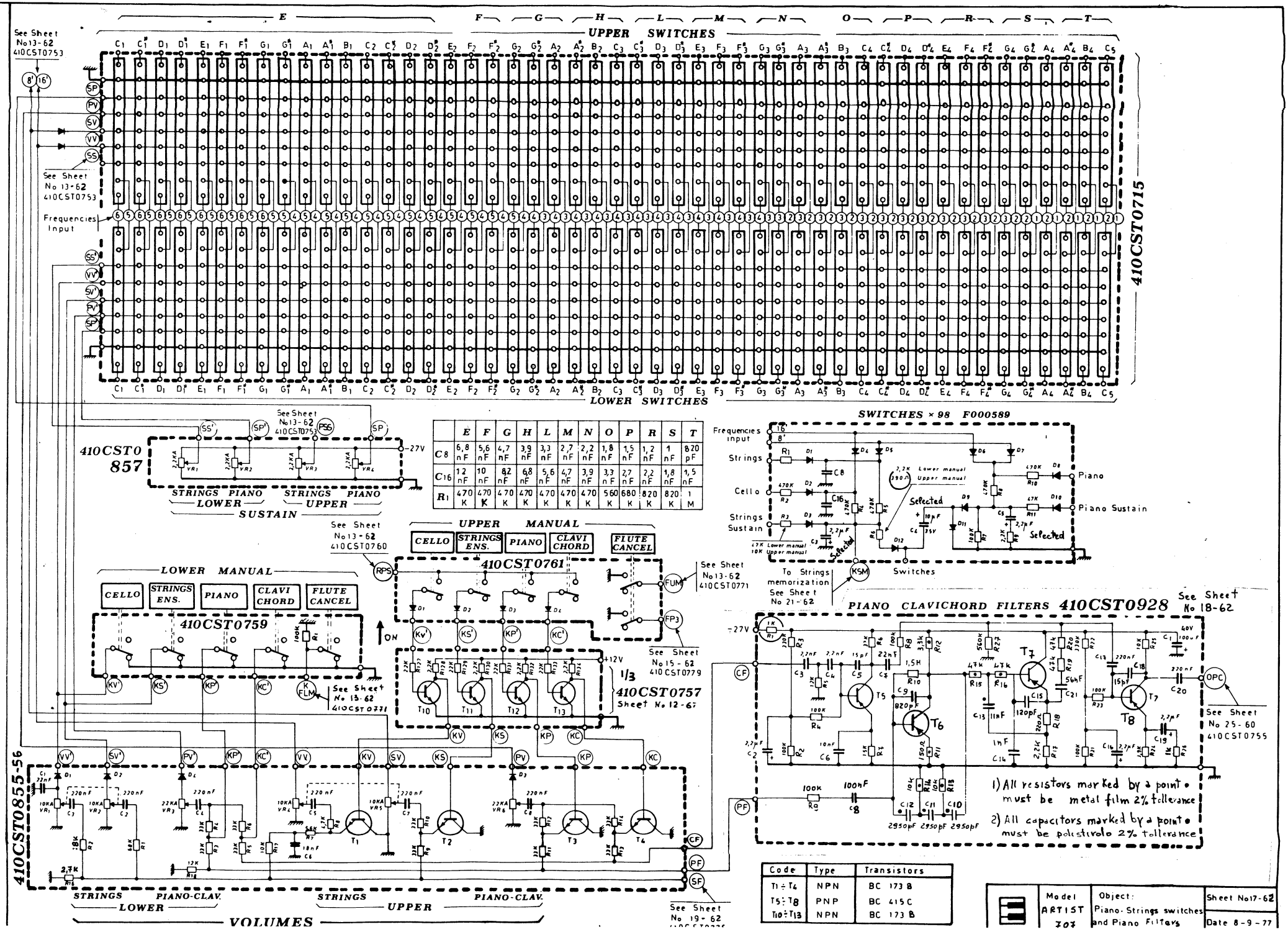
E F G H L M N O P R S T

F000589



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model ARTIST 707	Object: Assembly of Printed Circuit	Sheet No 16-62
			Date 20-10-77

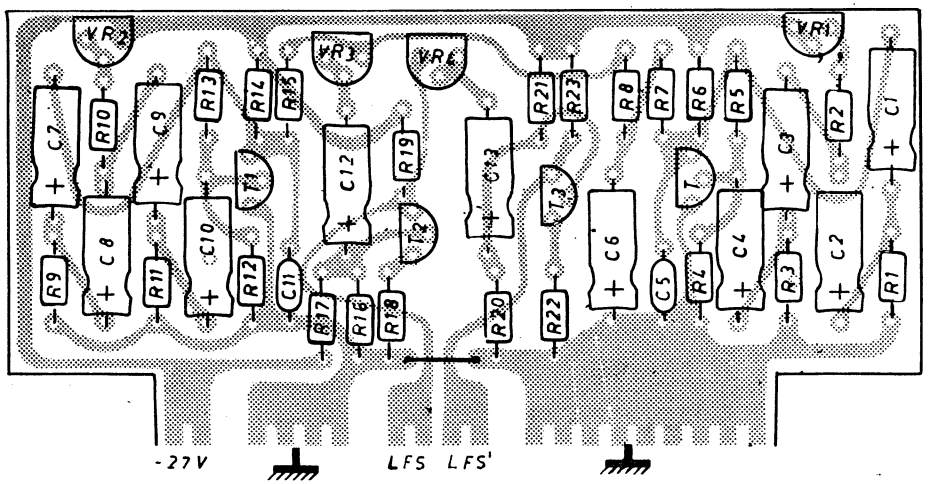


	E	F	G	H	L	M	N	O	P	R	S	T
C8	6,8 nF	5,6 nF	4,7 nF	3,9 nF	3,3 nF	2,7 nF	2,2 nF	1,8 nF	1,5 nF	1,2 nF	1 nF	820 pF
C16	12 nF	10 nF	8,2 nF	6,8 nF	5,6 nF	4,7 nF	3,9 nF	3,3 nF	2,7 nF	2,2 nF	1,8 nF	1,5 nF
R1	470 K	470 K	470 K	470 K	470 K	470 K	470 K	560 K	680 K	820 K	820 K	1 M

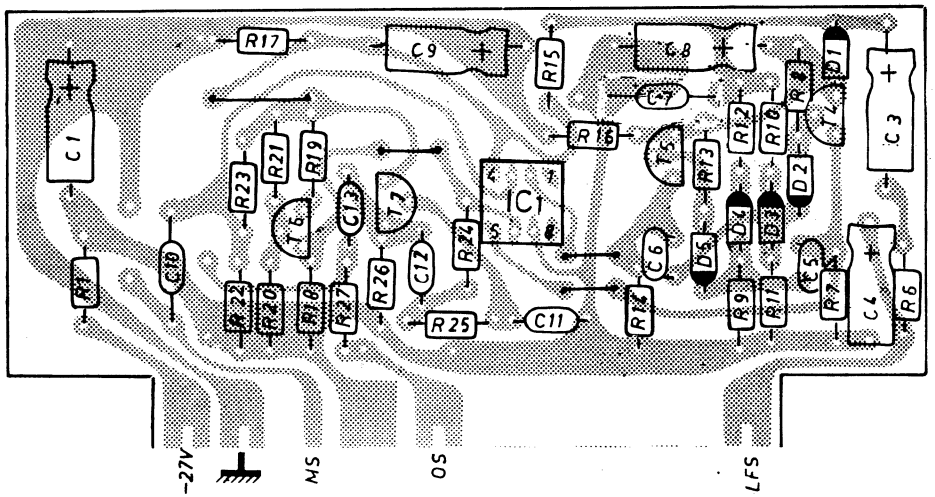
Code	Type	Transistors
T1 ÷ T4	NPN	BC 173 B
T5 ÷ T8	PNP	BC 415 C
T10 ÷ T13	NPN	BC 173 B

Model	Object:	Sheet No 17-62
ARTIST 707	Piano-Strings switches and Piano Filters	Date 8-9-77

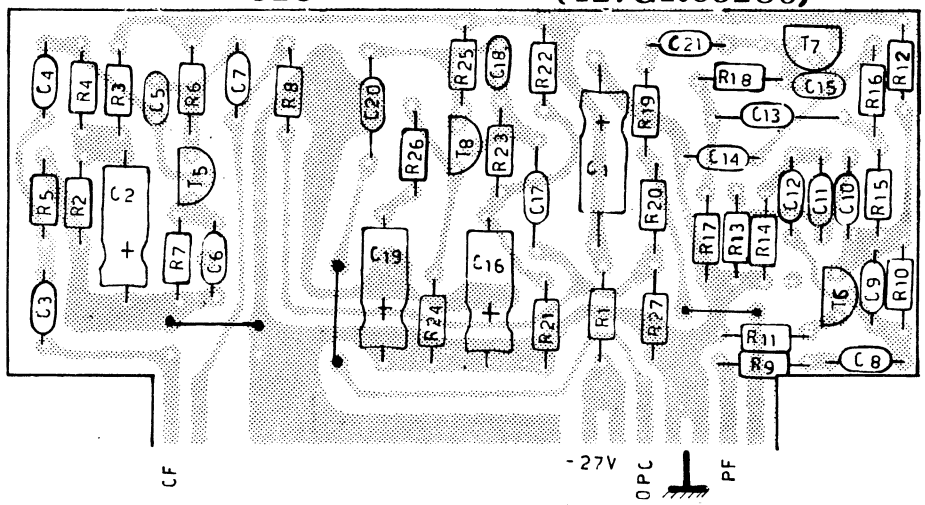
410CST0772 (457GR07720)



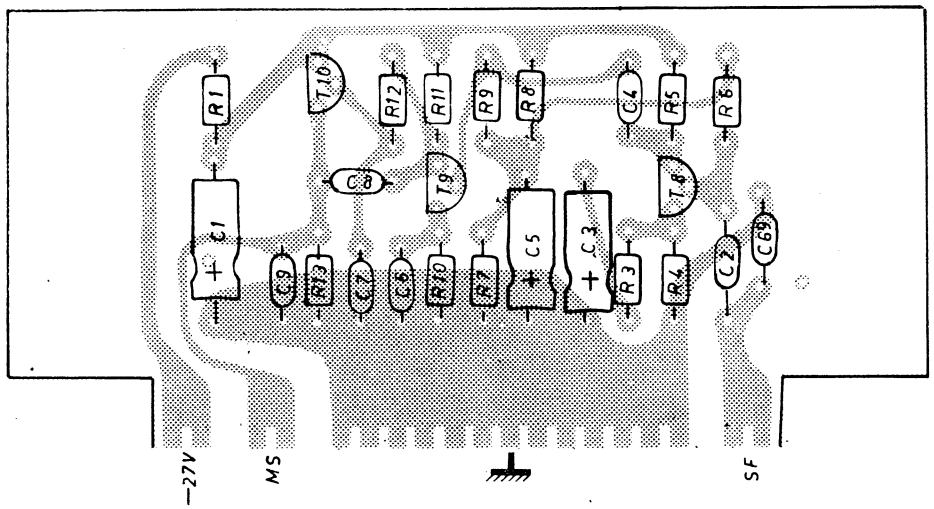
410CST0773 (457GR0773A)



410CST0928 (427GR09280)

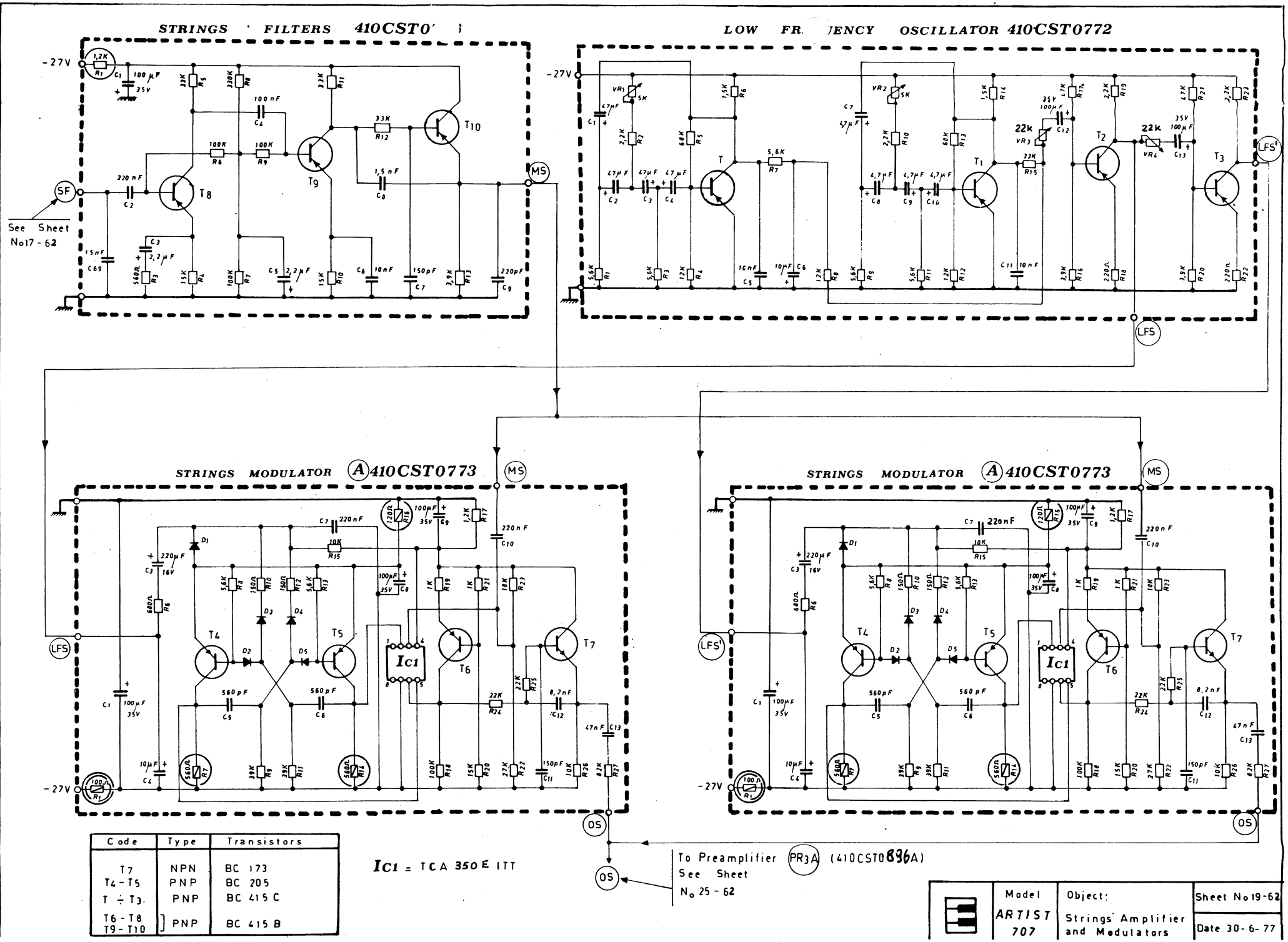


410CST0776 (457GR07760)



	Model	Object:	Sheet No 18-62
	ARTIST 707	Assembly of Printed Circuit	Date 22-9-77

THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.



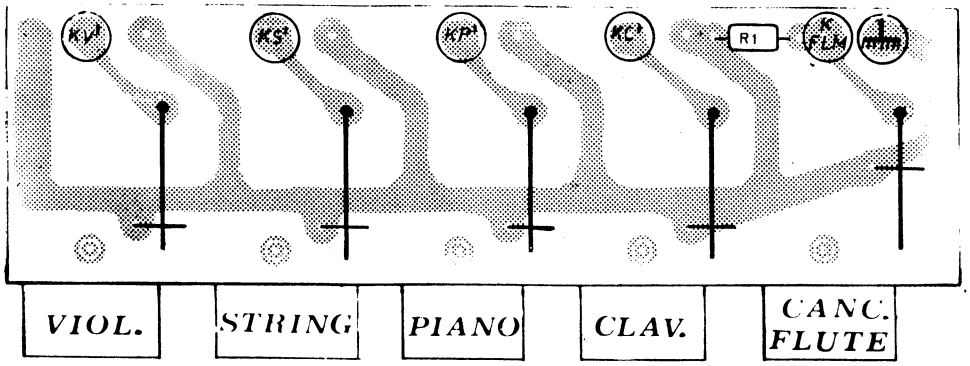
Code	Type	Transistors
T7	NPN	BC 173
T4 - T5	PNP	BC 205
T - T3	PNP	BC 415 C
T6 - T8 T9 - T10	PNP	BC 415 B

Ic1 = TCA 350 E ITT

Model	Object:	Sheet No 19-62
ARTIST 707	Strings Amplifier and Modulators	Date 30-6-77

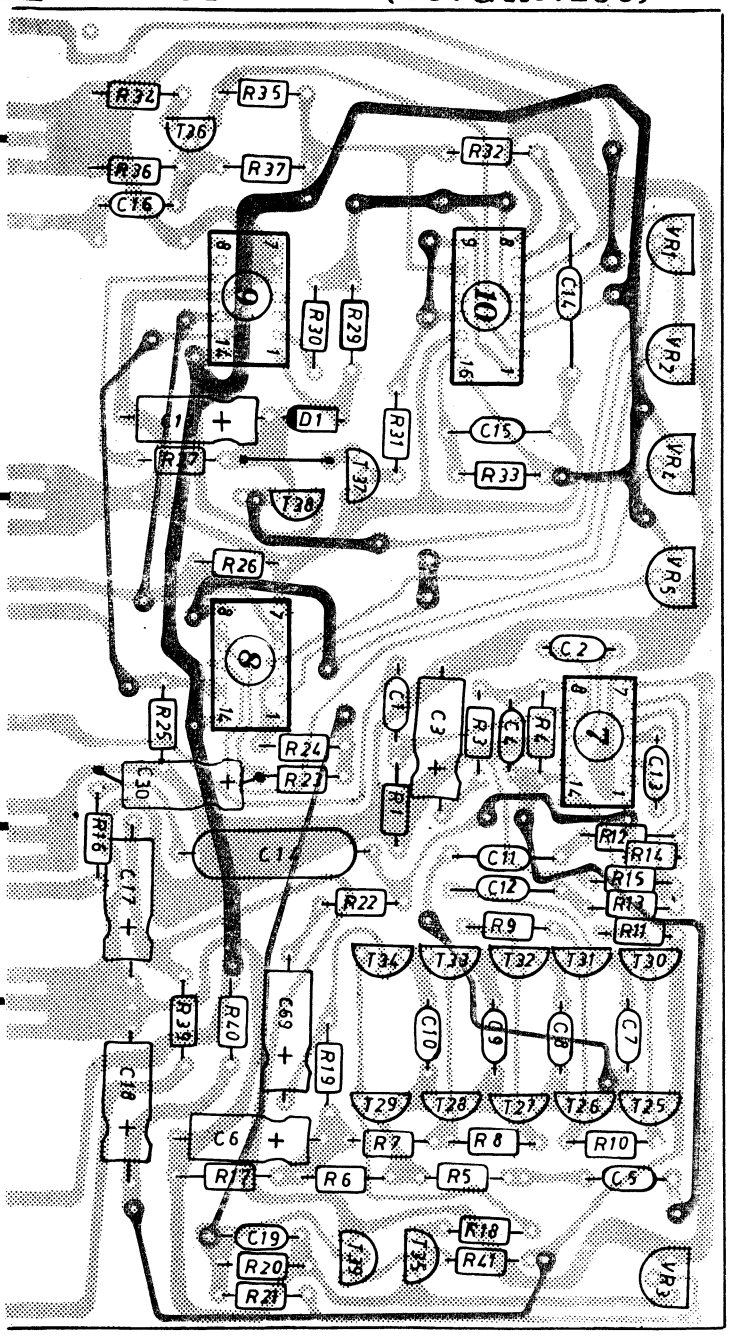
Model	Object:
FR-1ST 707	Assembly of Printed Circuit
Date 28 9-77	Sheet No 20-62

THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

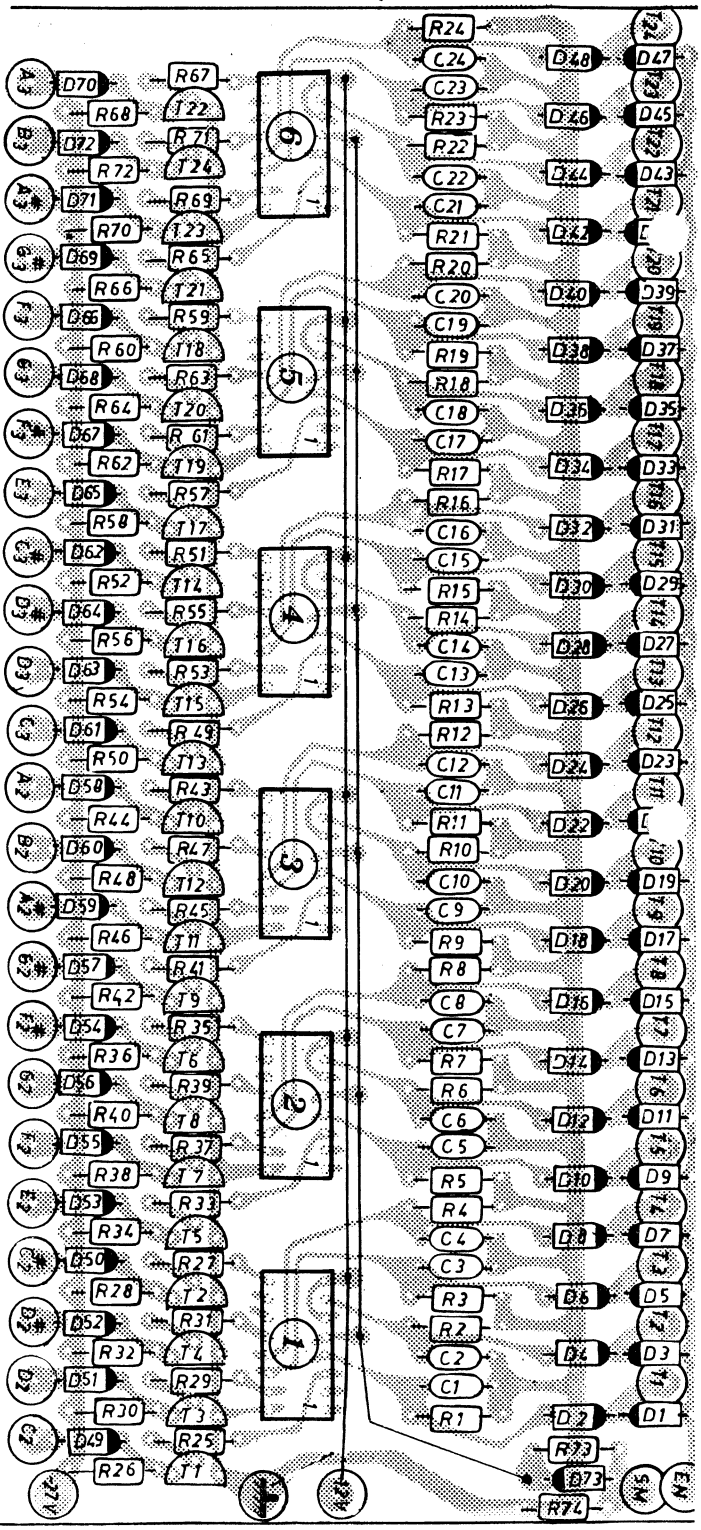


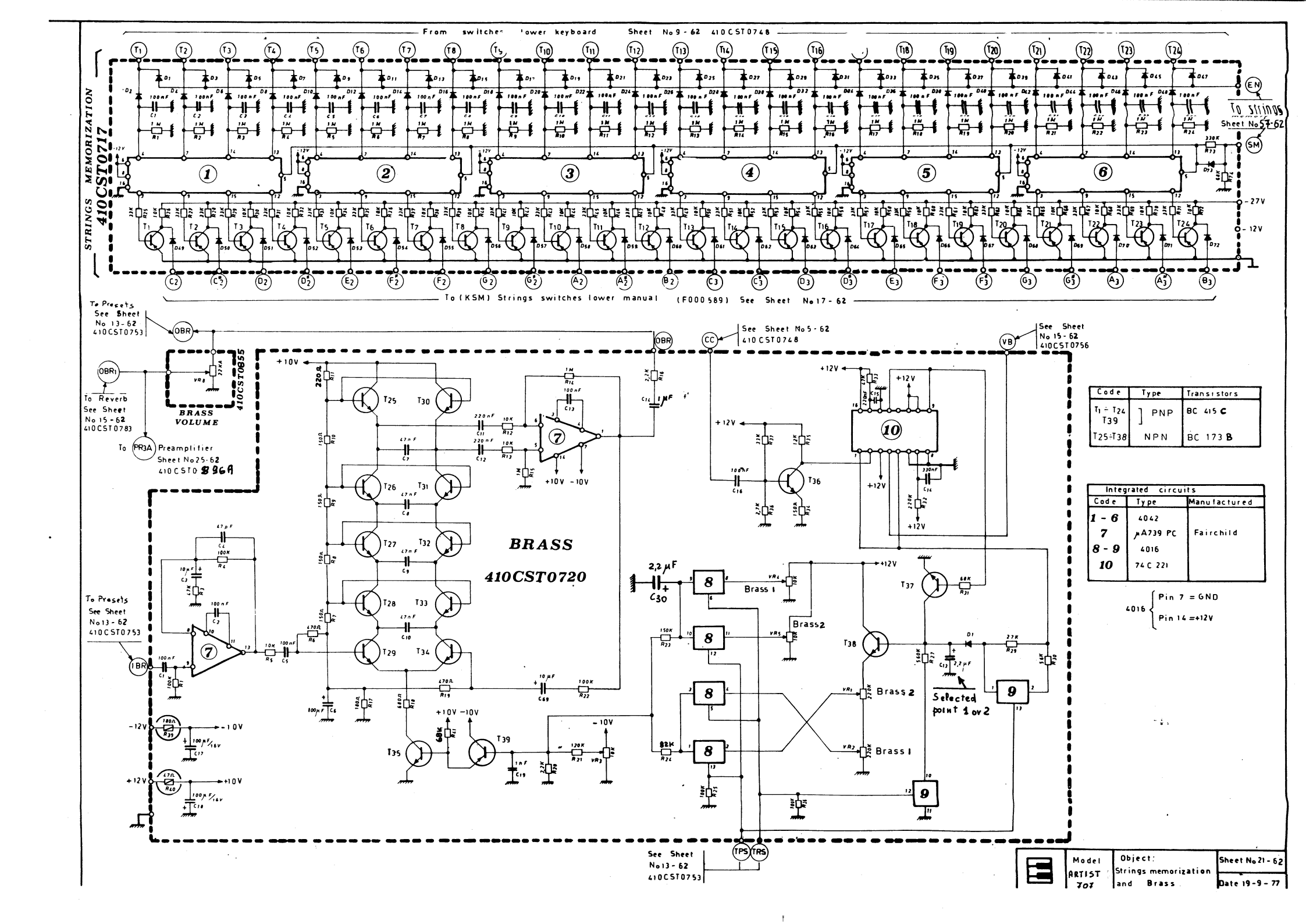
(457PR07591)
410CST0759

410CST0720 (457GR07200)



410CST0717 (457GR07170)




From switches lower keyboard Sheet No 9 - 62 410CST0748
STRINGS MEMORIZATION 410CST0717
To strings memory Sheet No 57-62
To (KSM) Strings switches lower manual (F000589) See Sheet No 17 - 62
To Presets See Sheet No 13 - 62 410CST0753
To Reverb See Sheet No 15 - 62 410CST0783
To PR3A Preamplifier Sheet No 25-62 410CST0869
BRASS VOLUME 410CST0855
See Sheet No 5 - 62 410CST0748
See Sheet No 15 - 62 410CST0756
BRASS 410CST0720
Brass 1
Brass 2
Selected point 1 or 2
See Sheet No 13 - 62 410CST0753
Model ARTIST 701
Object: Strings memorization and Brass
Sheet No 21 - 62
Date 19-9-77

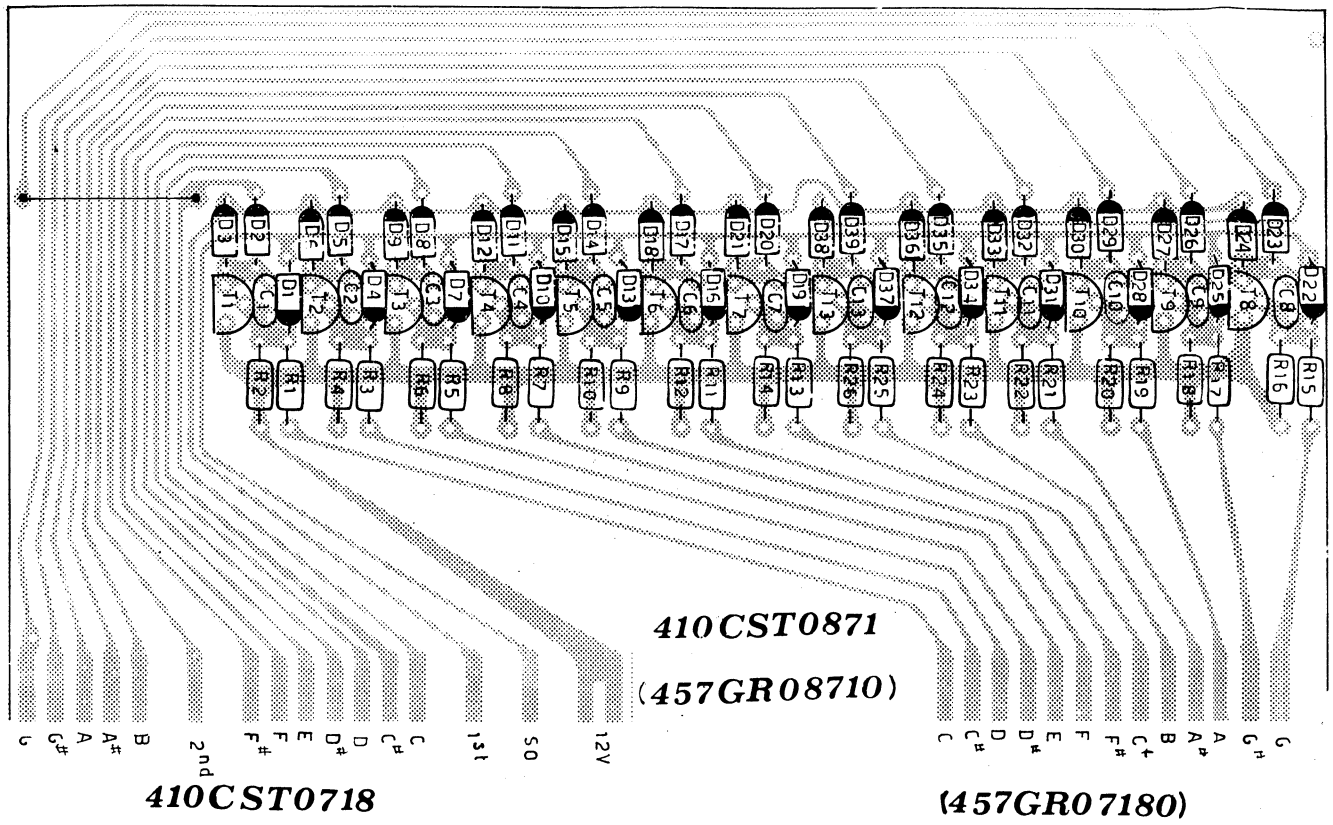
Code	Type	Transistors
T1 ÷ T24 T39	PNP	BC 415 C
T25 ÷ T38	NPN	BC 173 B

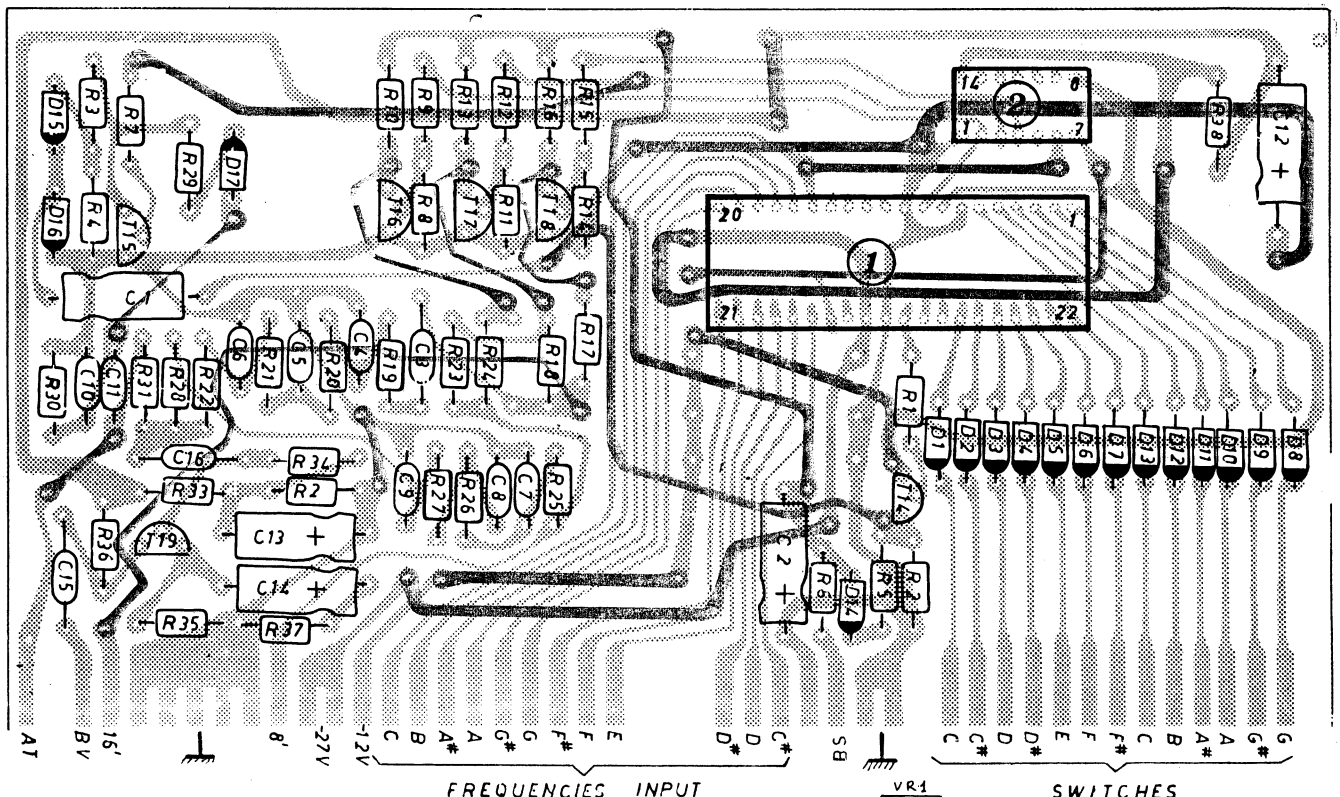
Integrated circuits		
Code	Type	Manufactured
1 - 6	4042	
7	µA739 PC	Fairchild
8 - 9	4016	
10	74 C 221	

4016 { Pin 7 = GND
Pin 14 = +12V

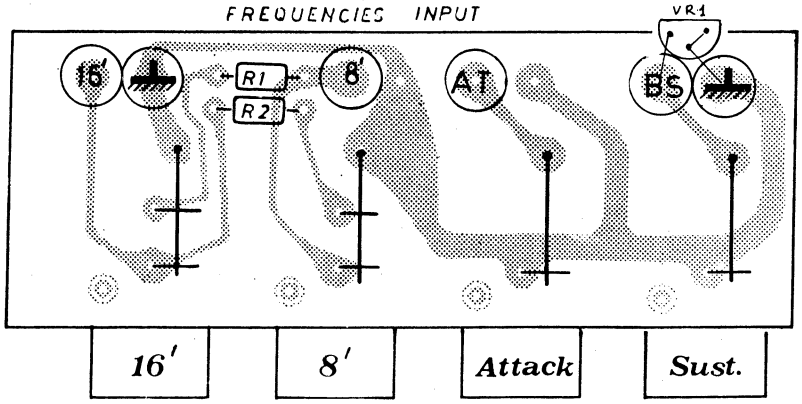
Model	Object:	Sheet No 22-62
ARTIST 707	Assembly of Printed Circuit	
		Date 24-9-77

THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON ASSEMBLED BOARDS

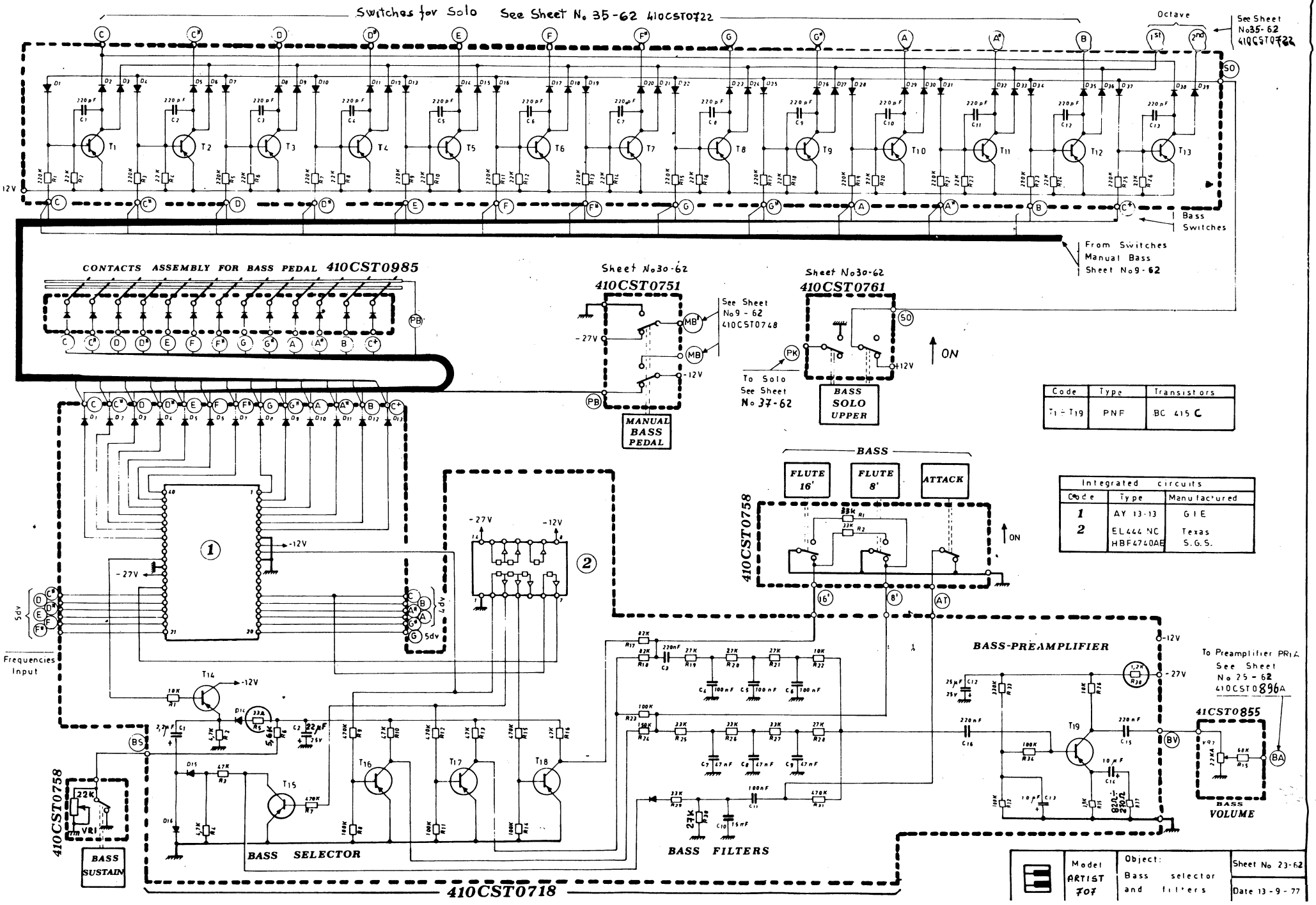




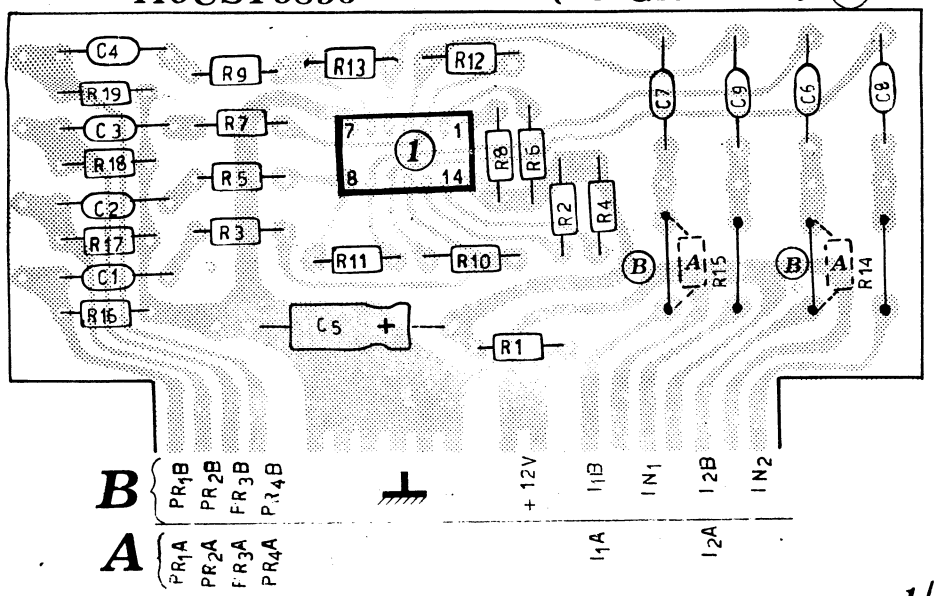
410CST0758
(457PR07581)



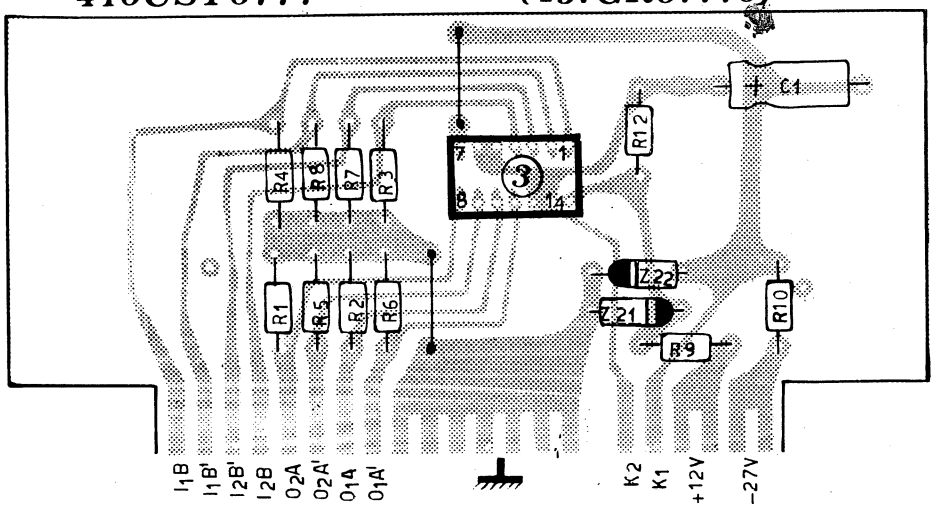
410CST0871


Switches for Solo
See Sheet No. 35-62 410CST0722
Octave
1st
2nd
See Sheet No35-62 410CST0722
SO
+12V
Bass Switches
From Switches Manual Bass Sheet No9-62
CONTACTS ASSEMBLY FOR BASS PEDAL 410CST0985
PB
Sheet No30-62
410CST0751
See Sheet No9-62 410CST0748
MB
-27V
-12V
MANUAL BASS PEDAL
Sheet No30-62
410CST0761
PK
+12V
ON
To Solo See Sheet No 37-62
BASS SOLO UPPER
Code | Type | Transistors
T1 ÷ T19 | PNP | BC 415 C
BASS
FLUTE 16'
FLUTE 8'
ATTACK
410CST0758
16'
8'
AT
Integrated circuits
Code | Type | Manufactured
1 | AY 1313 | GIE
2 | EL444 NC | Texas
HBF4740AE | S.G.S.
5dv
4dv
Frequencies Input
BS
BASS SUSTAIN
BASS SELECTOR
BASS FILTERS
BASS-PREAMPLIFIER
To Preamplifier PR1A See Sheet No 25-62 410CST0896A
41CST0855
BASS VOLUME
BV
BA
410CST0718
Model ARTIST 707
Object: Bass selector and filters
Sheet No 23-62
Date 13-9-77

410CST0896 (457GI 8960) (A) (457GR0 8961) (B)

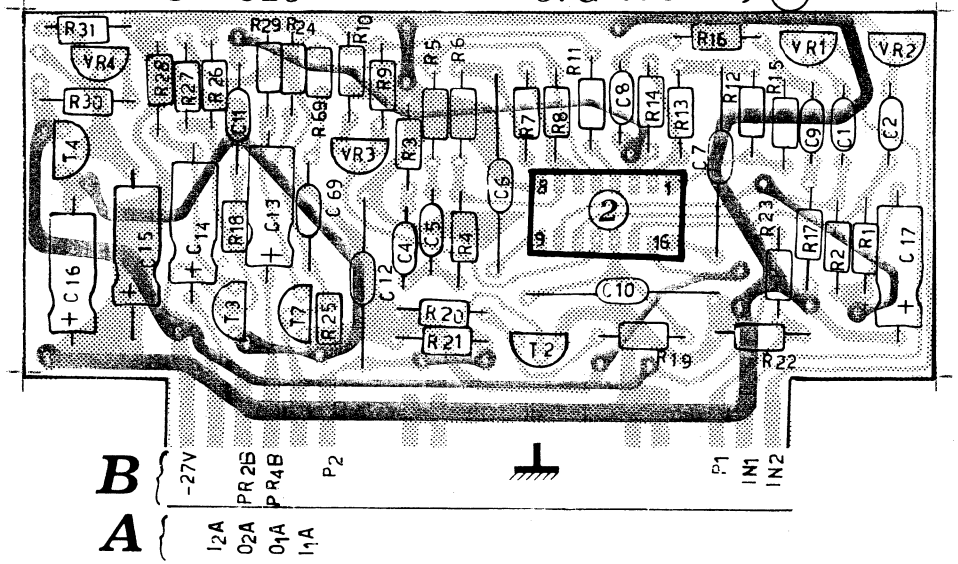


410CST0777 (457GR07770)

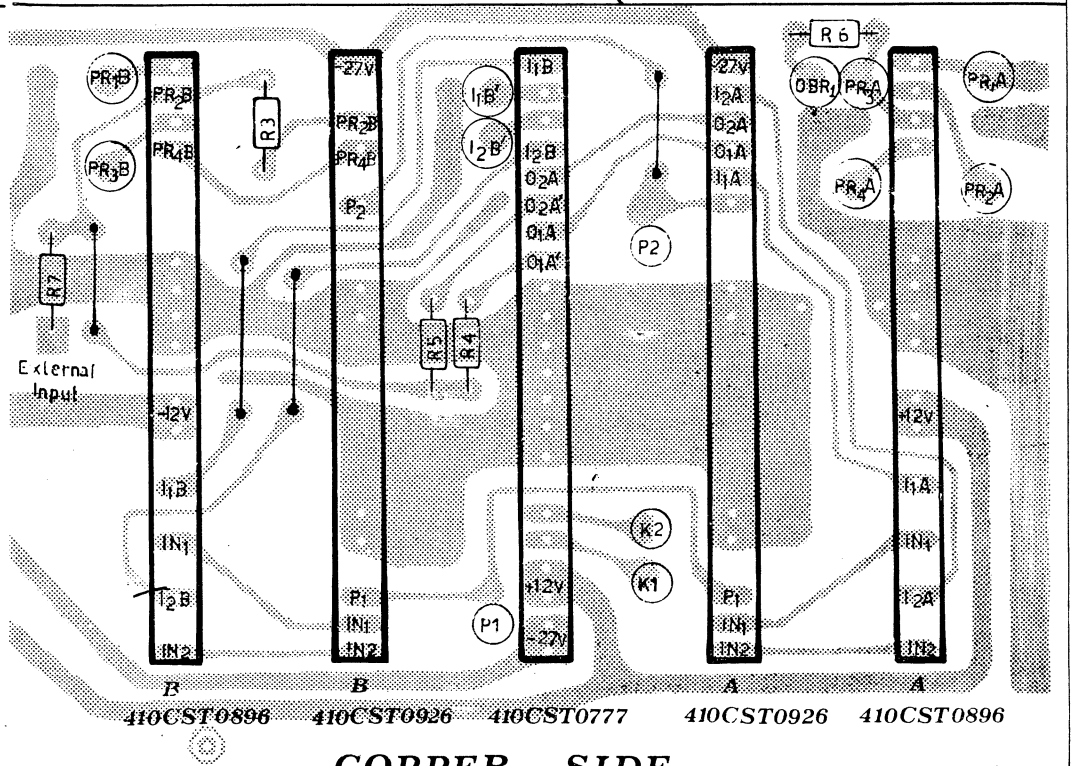


1/2

410CST0926 (457GR09260) (A) (457GR09261) (B)



410CST0819 (457GR08190)



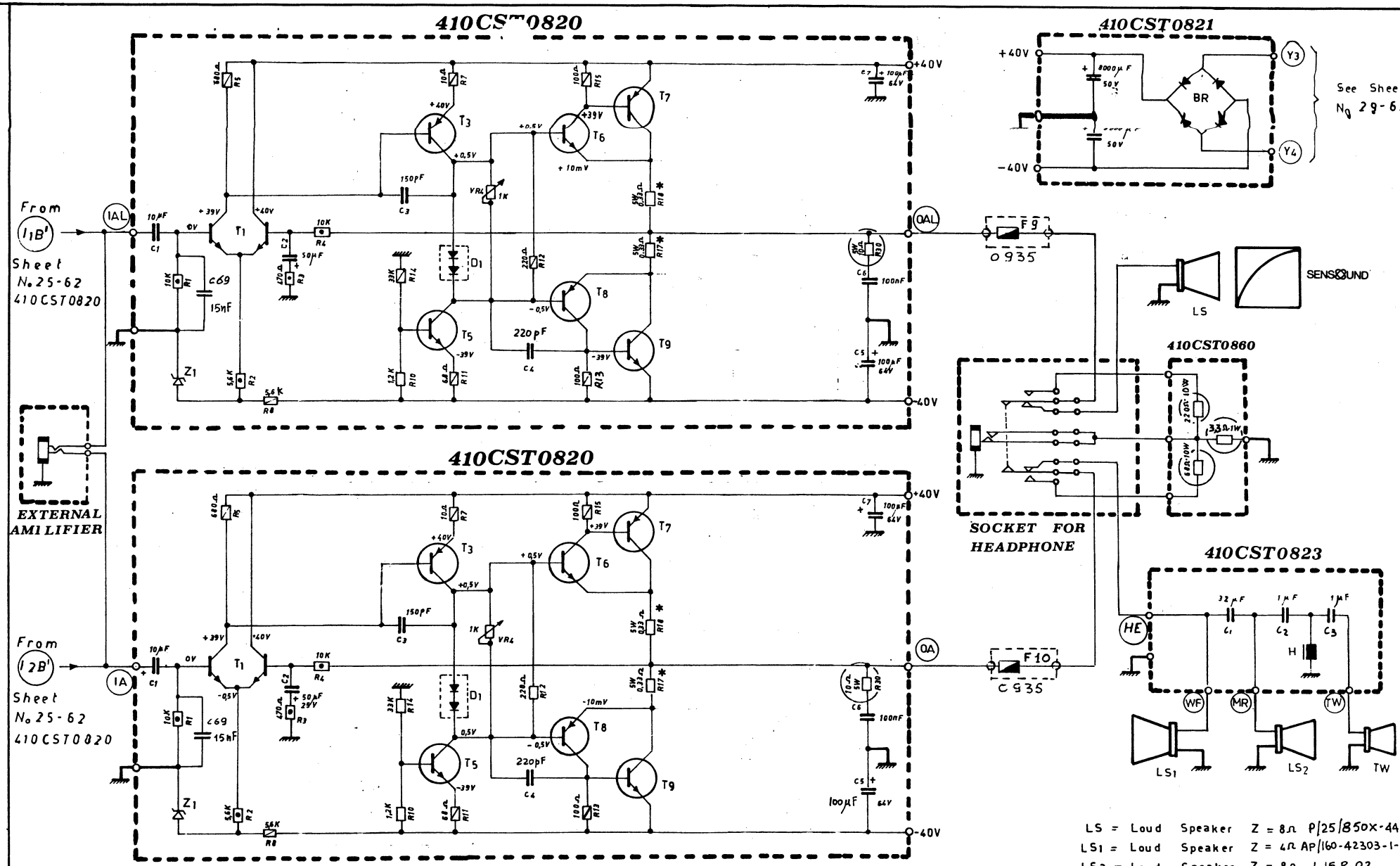
B B A A

410CST0896 410CST0926 410CST0777 410CST0926 410CST0896

COPPER SIDE

	Model ARTIST 707	Object Assembly of Printed Circuit	Sheet No 24-62
			Date 11-10-77

THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON ASSEMBLED BOARDS



Code	Type	Transistors
T1	NPN	MD 8002
T3-T8	PNP	MPSU 56 or BD 520 Motorola
T5-T6	NPN	MPSU 06 or BD 519 Motorola
T7	PNP	MJ4502 Motorola
T9	NPN	MJ802 Motorola

D1=MZ2361
Z1=1N5240
Z2=1N5236
Z3=1N5236

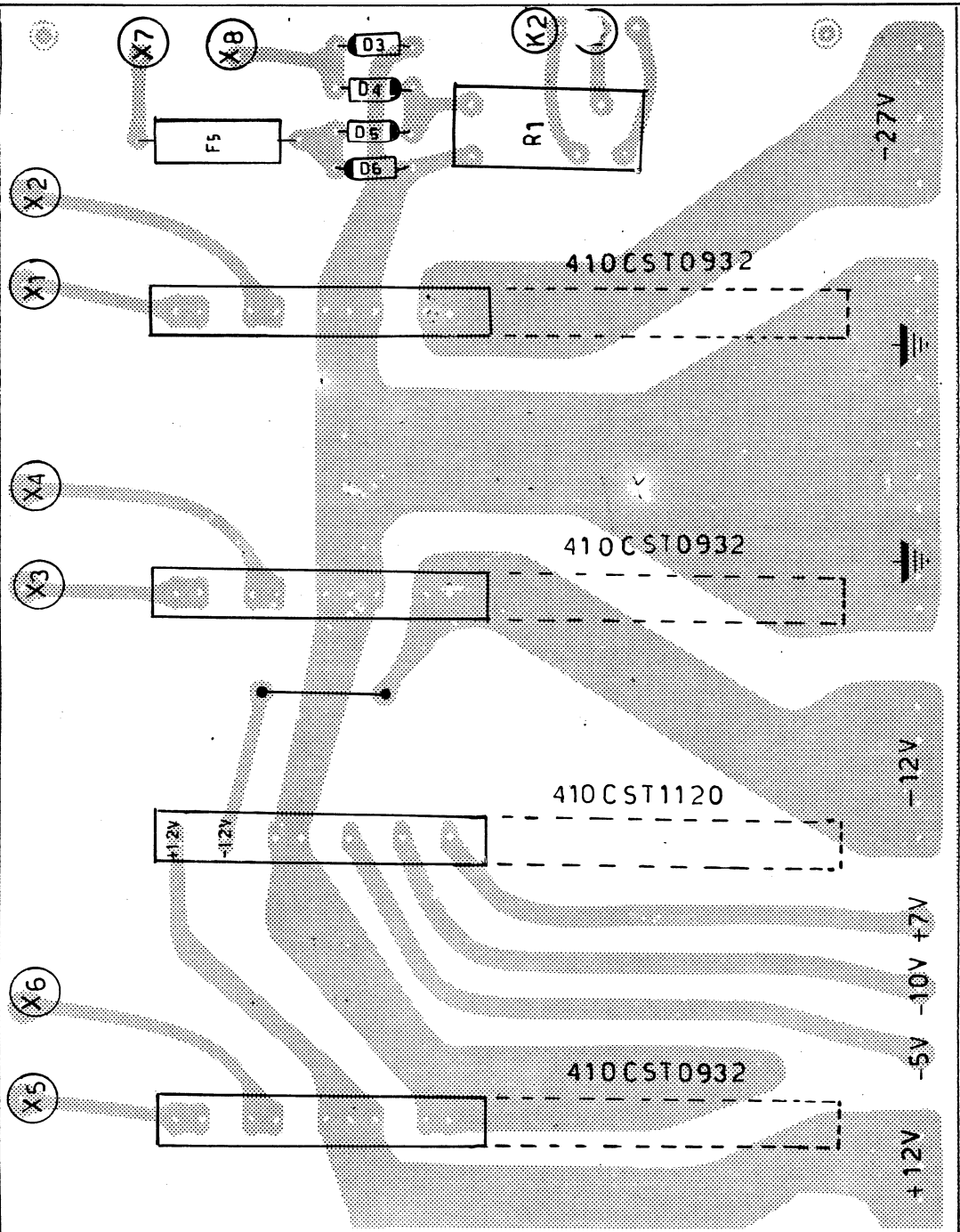
N.B.

1 All resistors marked by a point • must be metal film ones 2 % tollerance

2 * R17 R18 = SELF-PROTECTED RESISTORS

LS = Loud Speaker Z = 8Ω P/25/850X-44/16/8
LS1 = Loud Speaker Z = 4Ω AP/160-42303-1-007
LS2 = Loud Speaker Z = 8Ω L15P02
TW = Tweeter 8Ω
H = 0,48 mH
F9=F10 = Fuse 3AT
BR = KBH04 - KBH02

	Model	Object	Sheet No 27-62
	ARTIST 707	Amplifier	Date 2-9-77

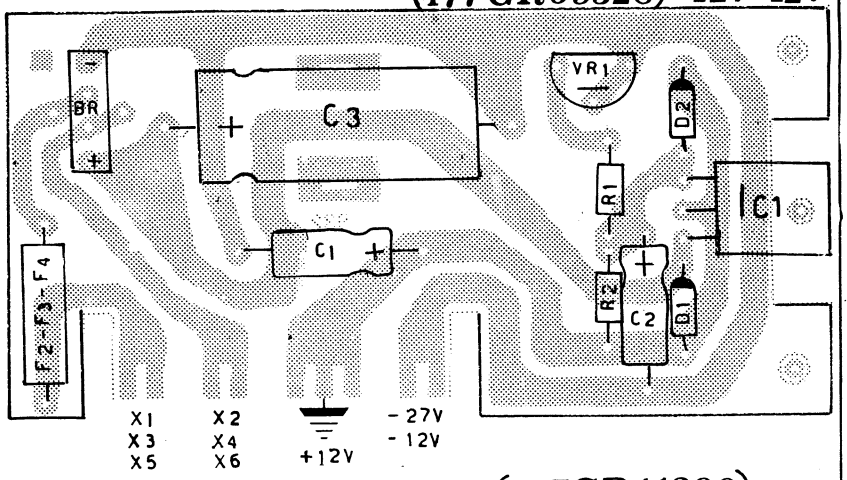


Model	Object:	Sheet No 28-62
ARTIST 707	Inside view of the organ	Date 17-7-80

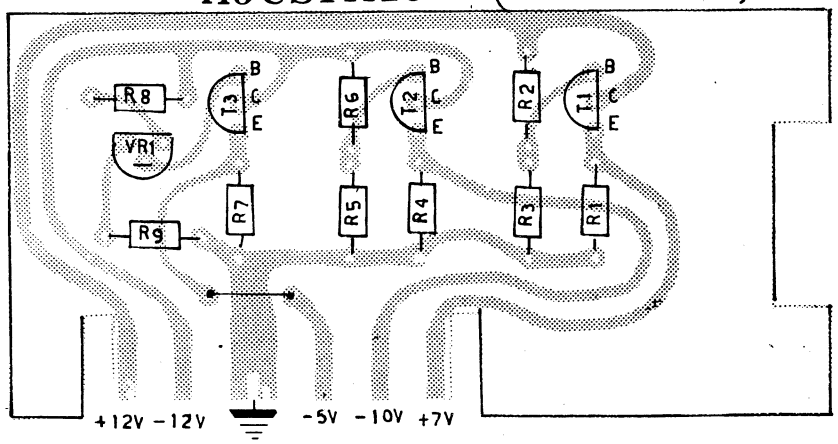
410CST1069 (477GR10690)

(477GR09326) - 27V

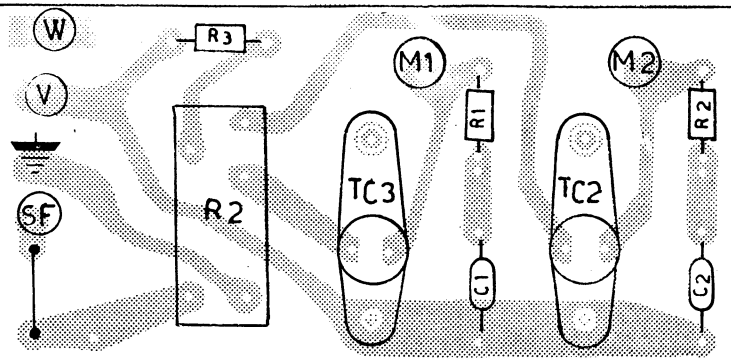
410CST0932 (477GR09328) -12V+12V

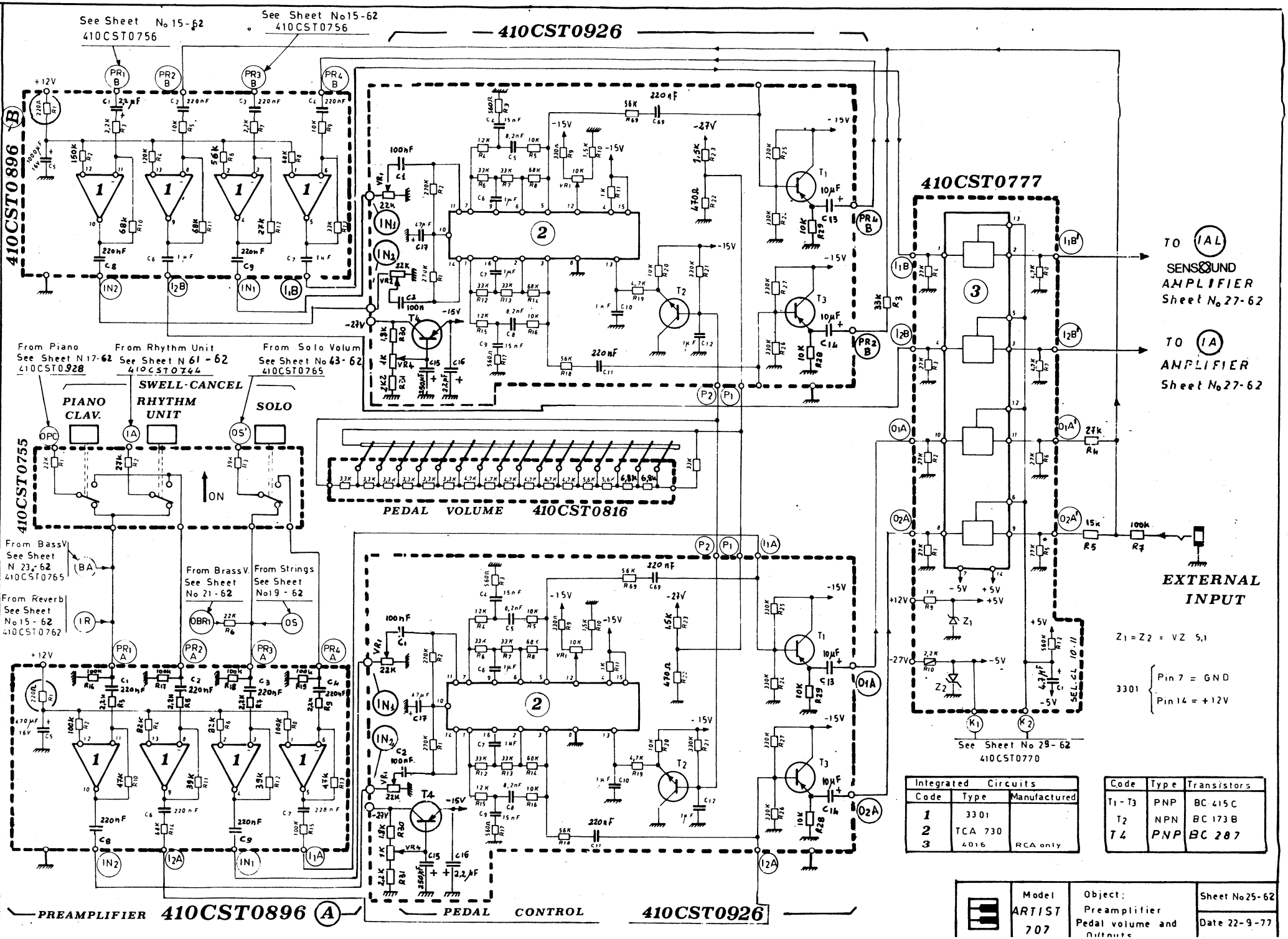


410CST1120 (477GR11200)

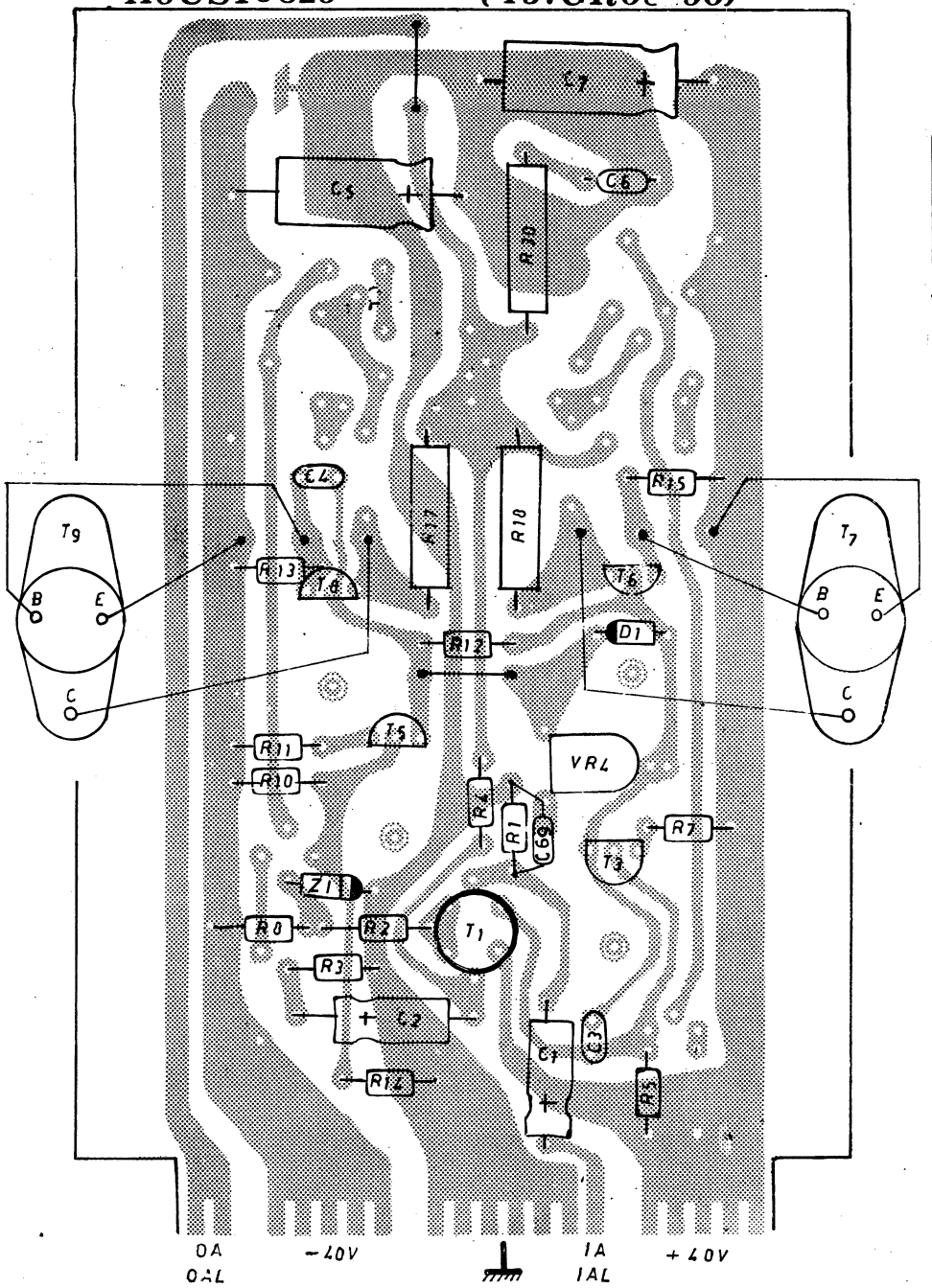


F000640 (477GR06400)

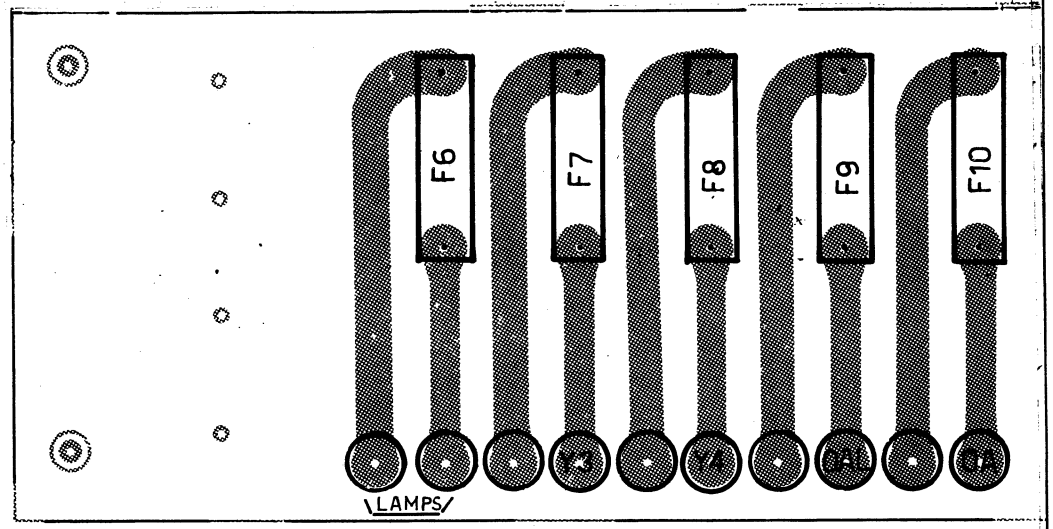



410CST0926
See Sheet No 15-62
410CST0756
See Sheet No15-62
410CST0756
410CST0896 B
410CST0777
TO IAL
SENSOUND
AMPLIFIER
Sheet No 27-62
TO IA
AMPLIFIER
Sheet No 27-62
EXTERNAL
INPUT
From Piano
See Sheet N 17-62
410CST0928
From Rhythm Unit
See Sheet N 61 - 62
410CST0744
From Solo Volum
See Sheet No 43 - 62
410CST0765
SWELL-CANCEL
PIANO
CLAV.
RHYTHM
UNIT
SOLO
410CST0755
PEDAL VOLUME 410CST0816
From Bass V
See Sheet
N 23 - 62
410CST0765
From Reverb
See Sheet
No 15 - 62
410CST0762
From Brass V.
See Sheet
No 21 - 62
From Strings
See Sheet
No 19 - 62
PREAMPLIFIER 410CST0896 A
PEDAL CONTROL
410CST0926
See Sheet No 29 - 62
410CST0770
Z1 = Z2 = VZ 5,1
3301
Pin 7 = GND
Pin 14 = +12V
Integrated Circuits
Code | Type | Manufactured
1 | 3301 |
2 | TCA 730 |
3 | 4016 | RCA only
Code | Type | Transistors
T1 - T3 | PNP | BC 415 C
T2 | NPN | BC 173 B
T4 | PNP | BC 287
Model
ARTIST
707
Object:
Preamplifier
Pedal volume and
Outputs
Sheet No 25-62
Date 22-9-77

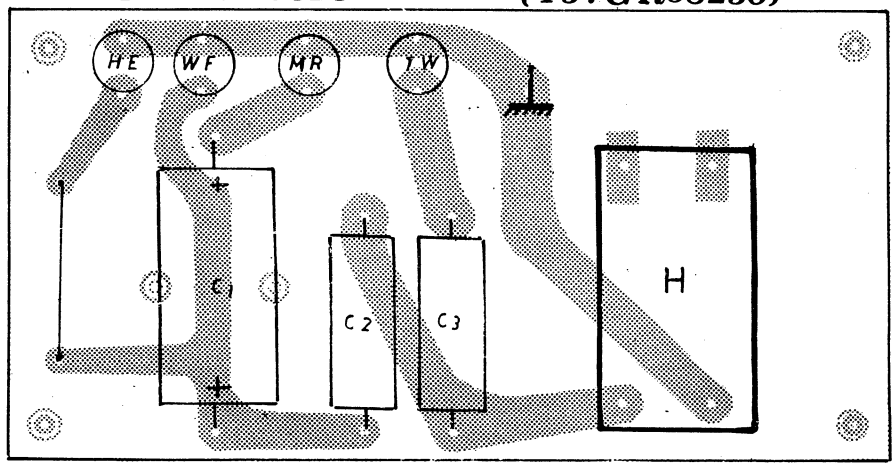
410CST0820 (457GR0[illegible]00)



410CST0935 (427GR09350)

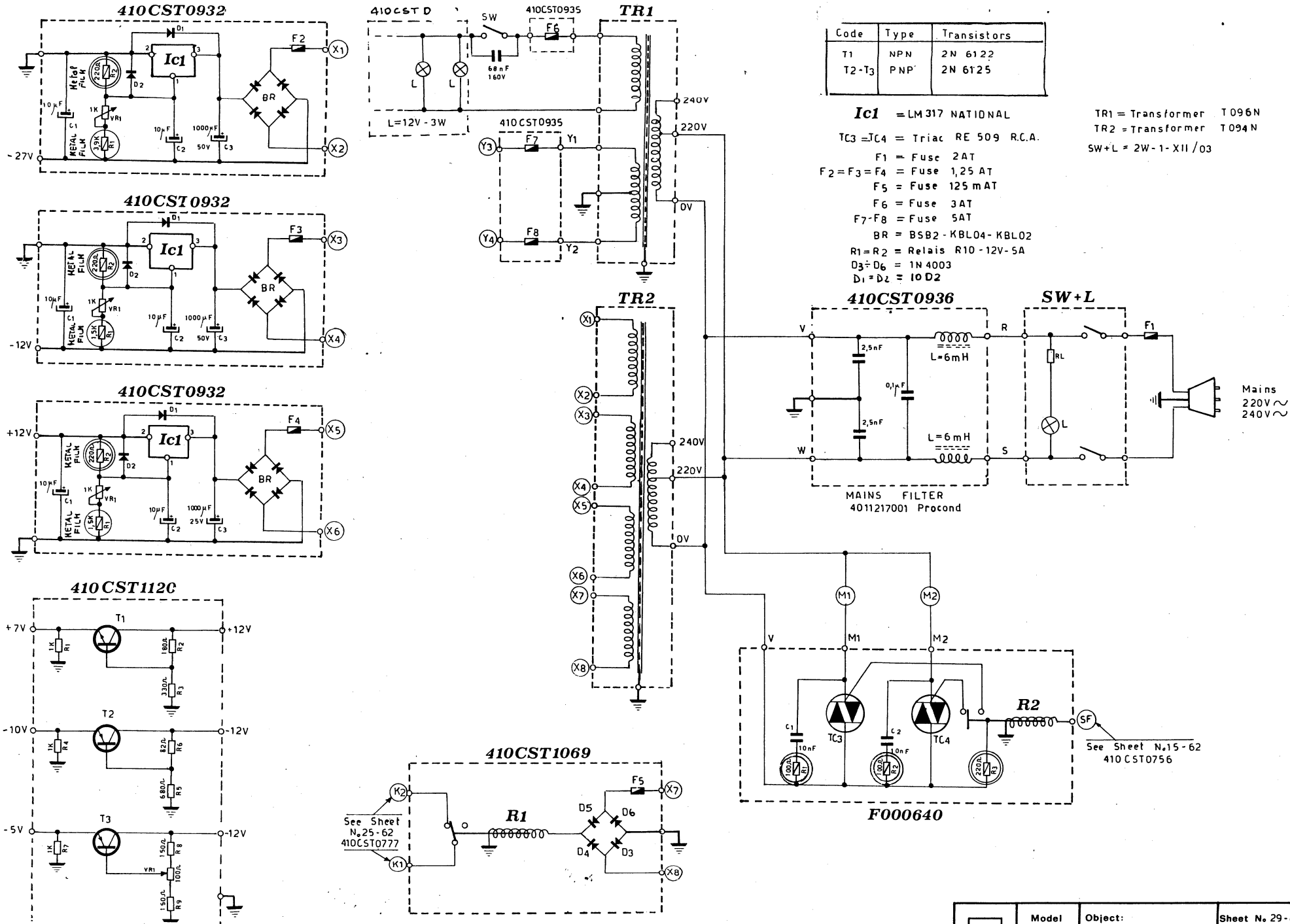


410CST0823 (457GR08230)



	Model ARTIST 707	Object: Assembly of Printed Circuit	Sheet No 26-62
			Date 24-10-77

THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.



Code	Type	Transistors
T1	NPN	2N 6122
T2-T3	PNP	2N 6125

Ic1 = LM 317 NATIONAL

TC3 = TC4 = Triac RE 509 R.C.A.

F1 = Fuse 2AT

F2 = F3 = F4 = Fuse 1,25 AT

F5 = Fuse 125 mAT

F6 = Fuse 3AT

F7-F8 = Fuse 5AT

BR = BSB2 - KBL04 - KBL02

R1 = R2 = Relais R10-12V-5A

D3 ÷ D6 = 1N4003

D1 = D2 = 10D2

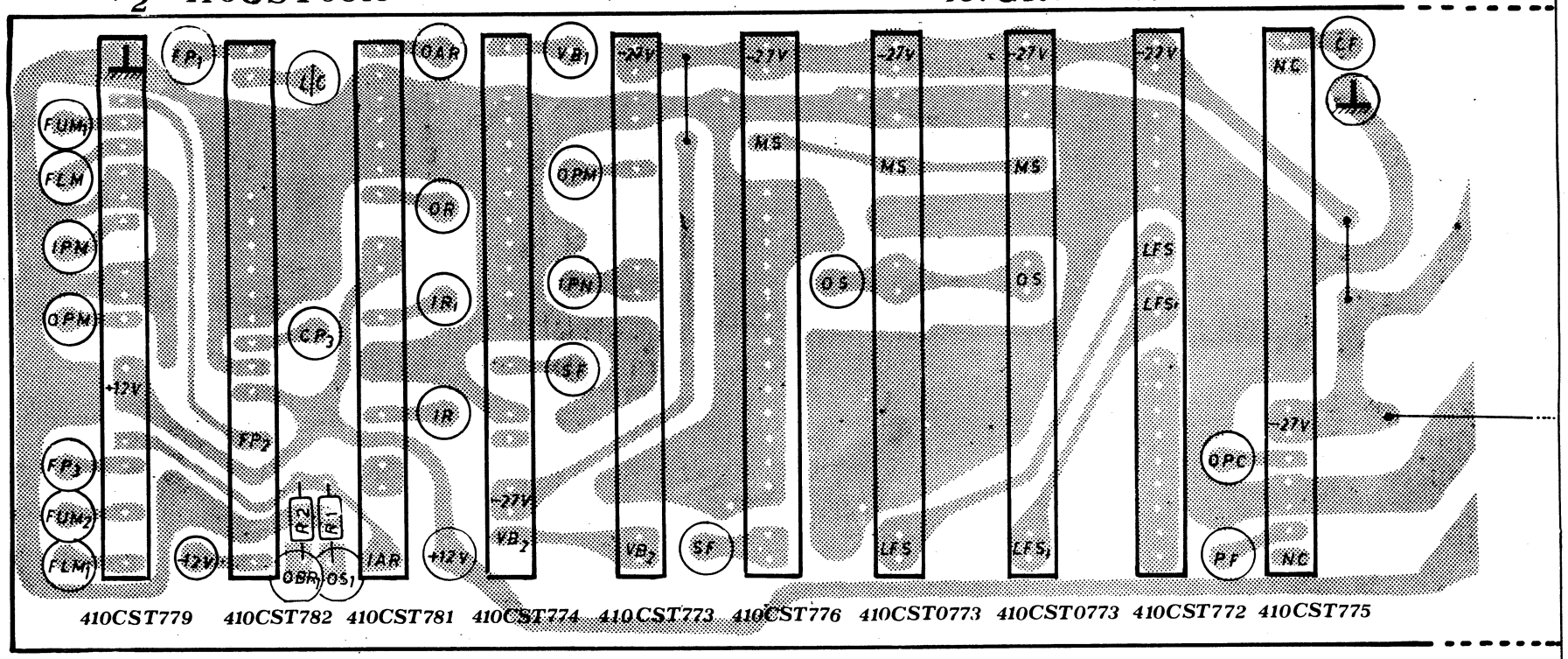
TR1 = Transformer T096N

TR2 = Transformer T094N

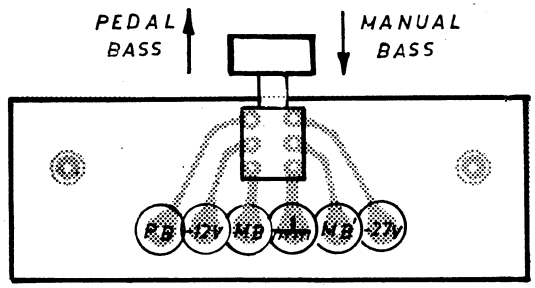
SW+L = 2W-1-XII/03

	Model ARTIST 707	Object: Power Supply	Sheet No. 29-62
			Date 16 7 80

1/2 410CST0819 COPPER SIDE 157GR08190)



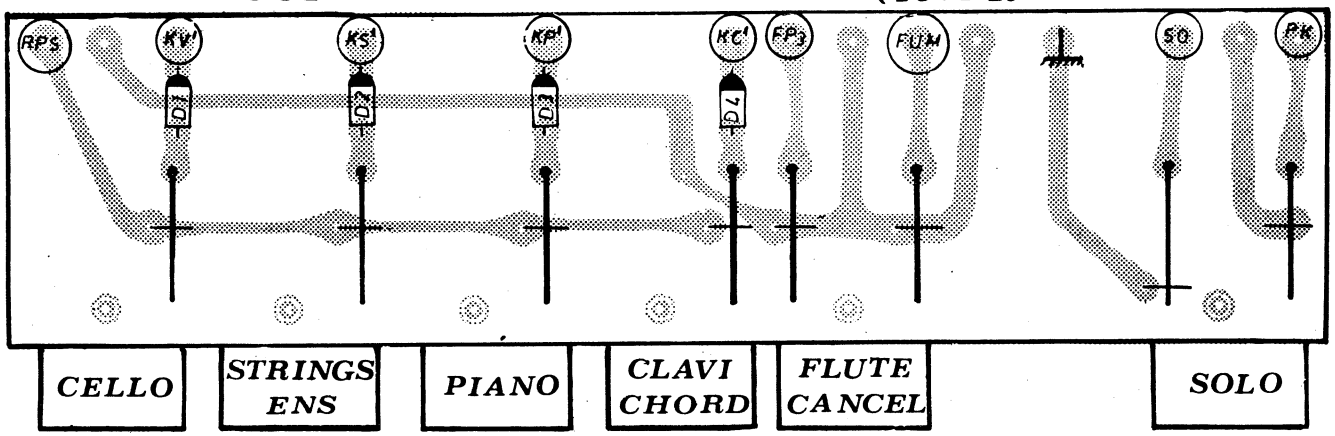
410CST779 410CST782 410CST781 410CST774 410CST773 410CST776 410CST0773 410CST0773 410CST772 410CST775



410CST0751 (457GR07510)

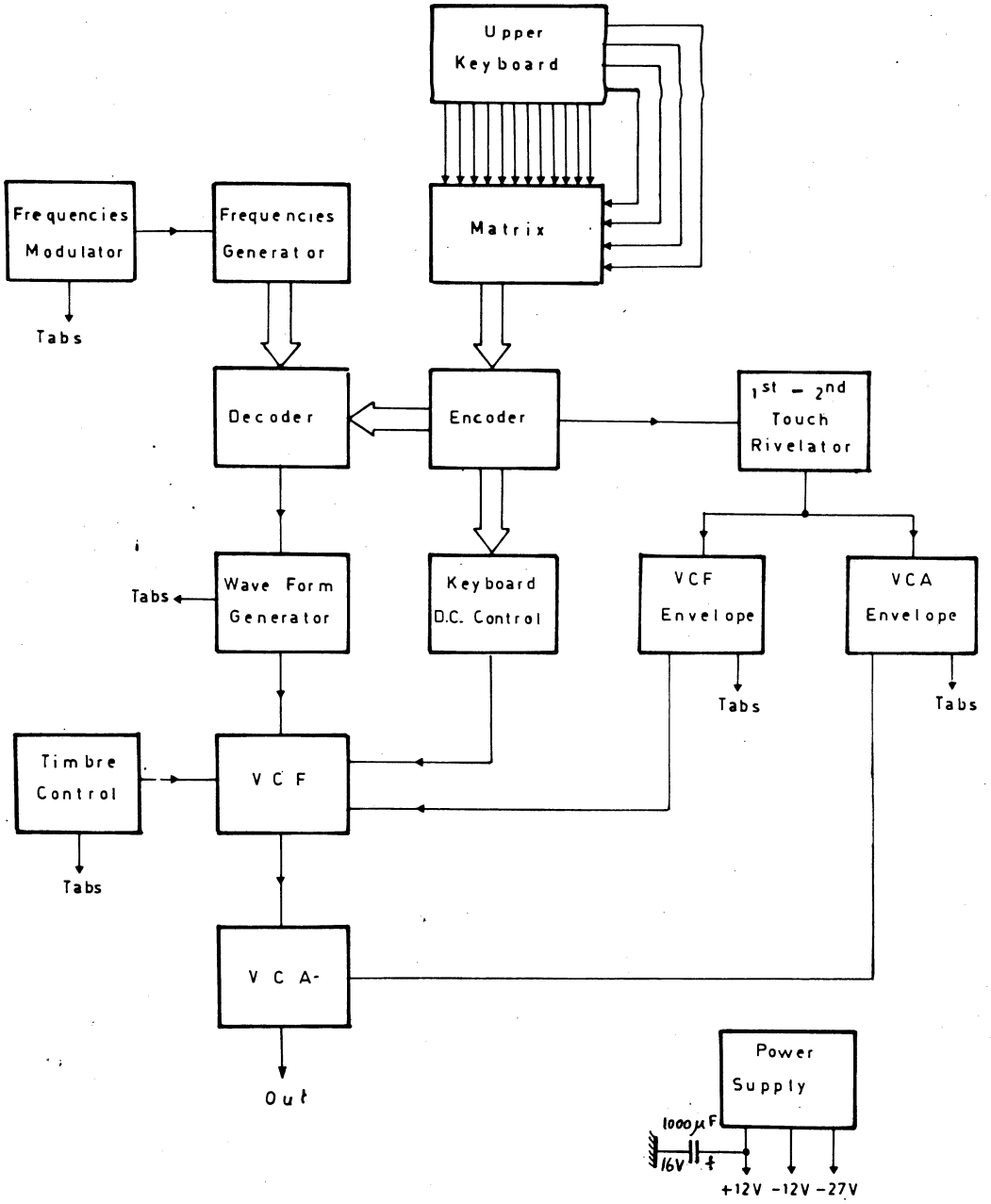
COPPER SIDE

410CST0761 (457PR07610)

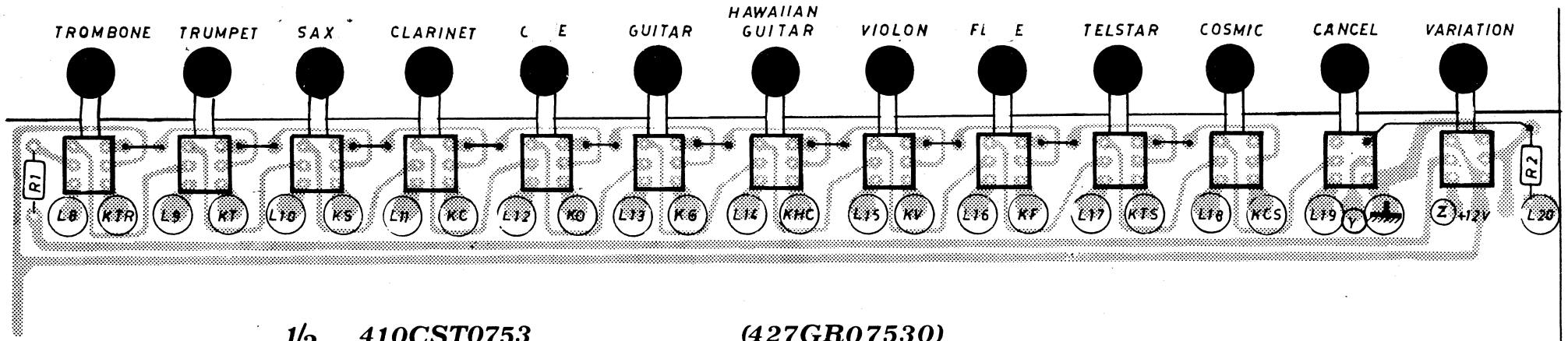


	Model	Object:	Sheet No 30-62
	ARTIST 707	Assembly of Printed Circuit	Date 11 10 77

SOLO

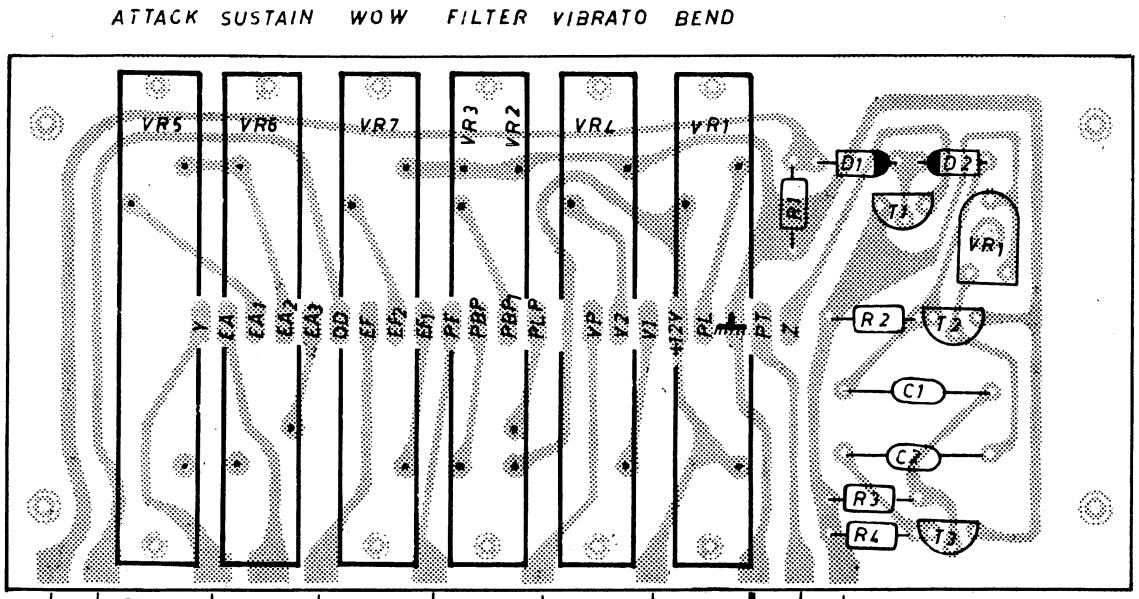


	Model	Object	Sheet No.
	ARTIST 707	Block Diagram	31-62
			Date 15-7-77

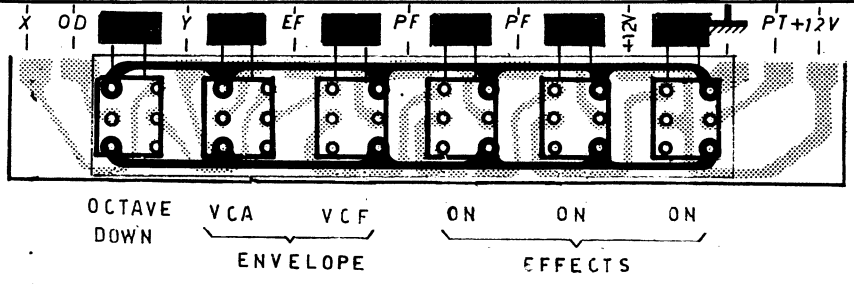


1/2 410CST0753 (427GR07530)

410CST0730
(457PR07300)



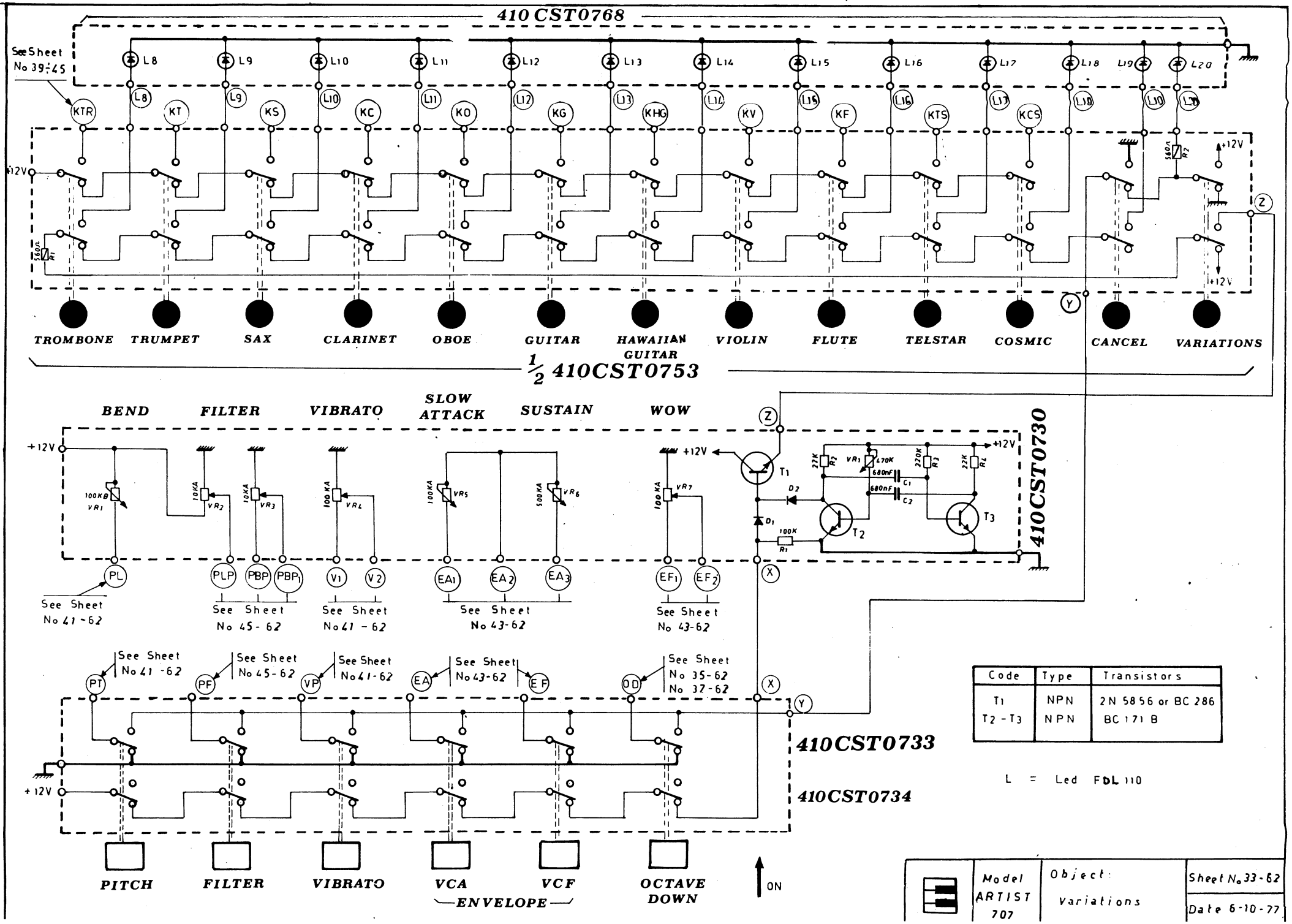
410CST0733
(427PR07330)



410CST0734

ON

	Model	Object:	Sheet No 32-62
	ARTIST 707	Assembly of Printed Circuit	Date 11-10-77

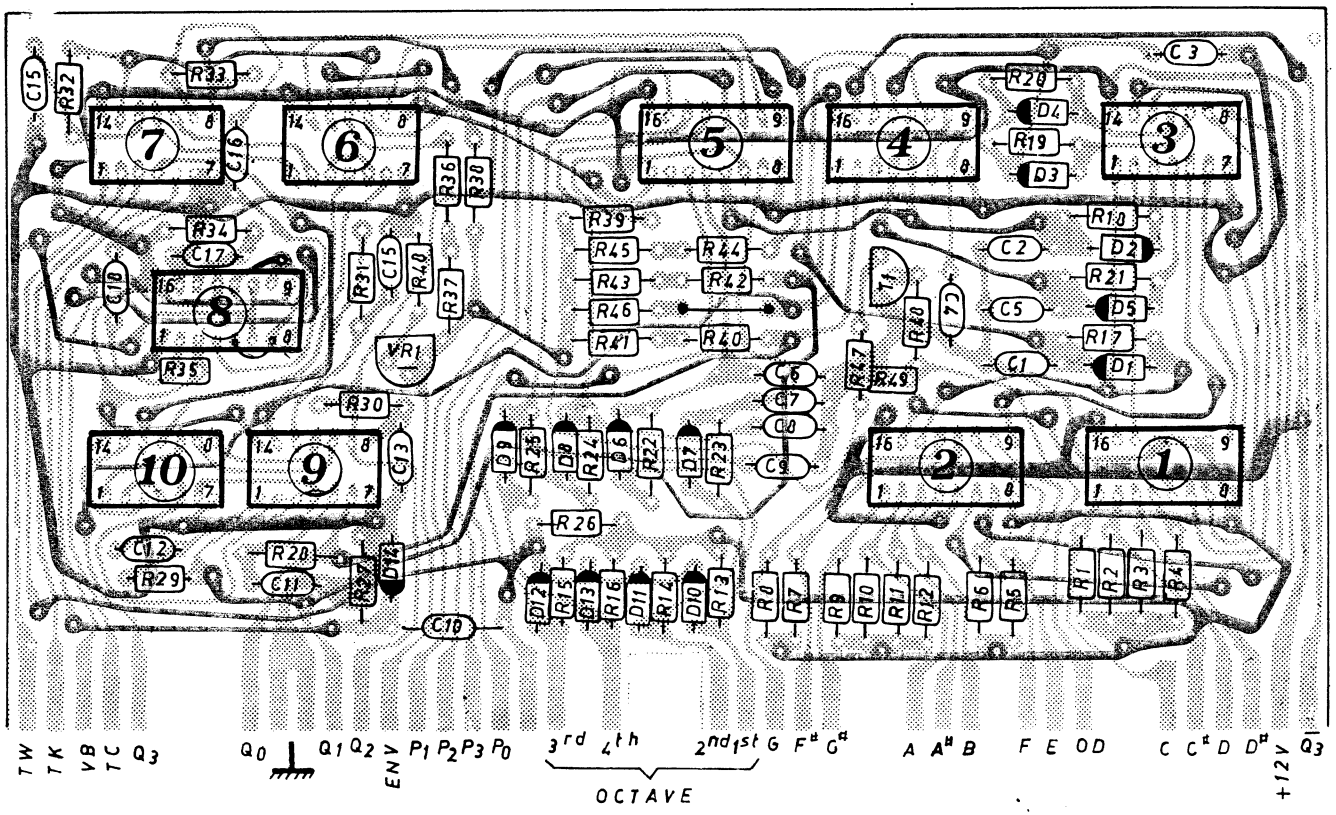


Code	Type	Transistors
T1	NPN	2N 5856 or BC 286
T2 - T3	NPN	BC 171 B

L = Led FDL 110

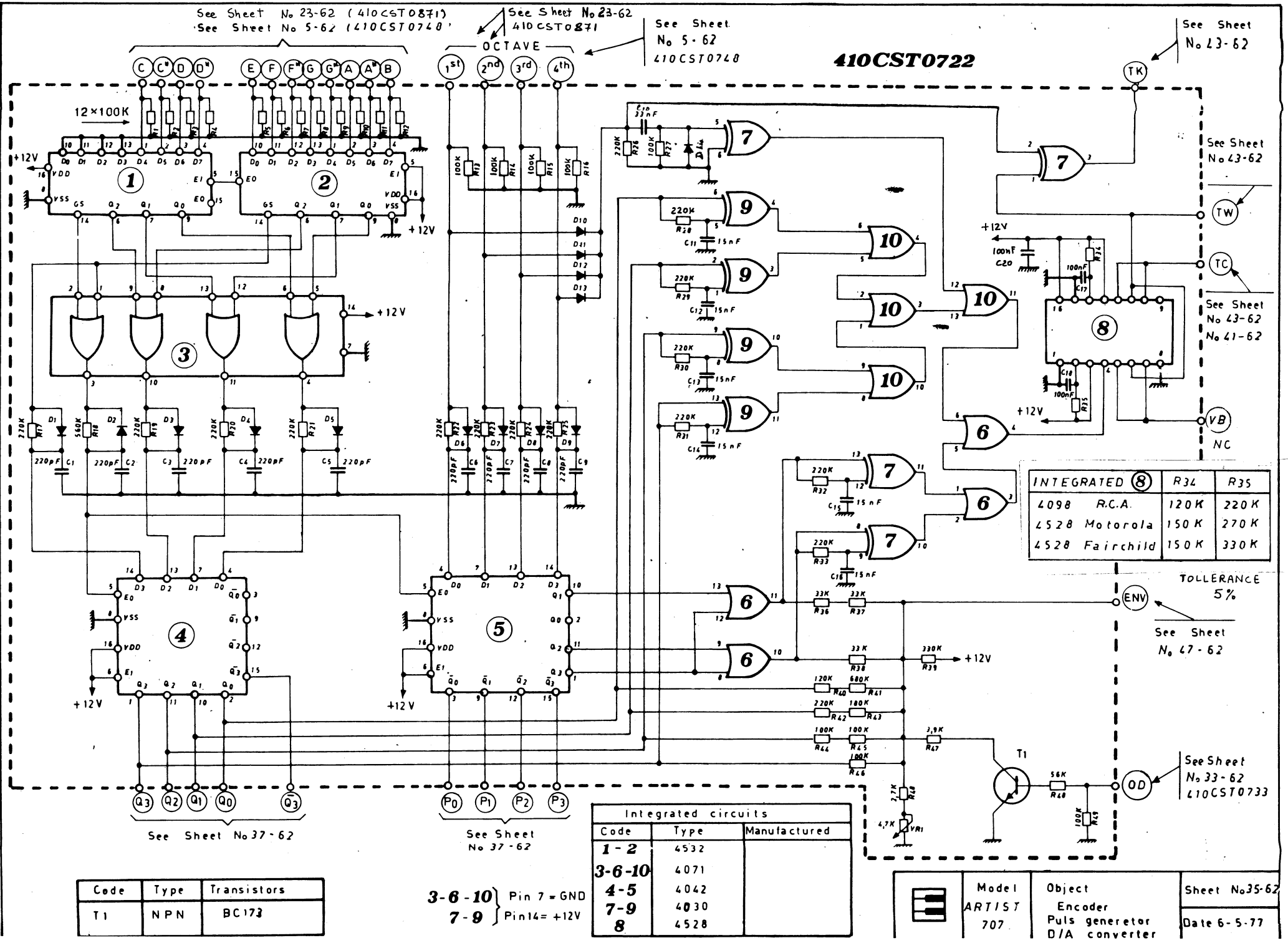
	Model ARTIST 707	Object: Variations	Sheet No. 33-62
			Date 6-10-77

410CST0722 (427GR07220)

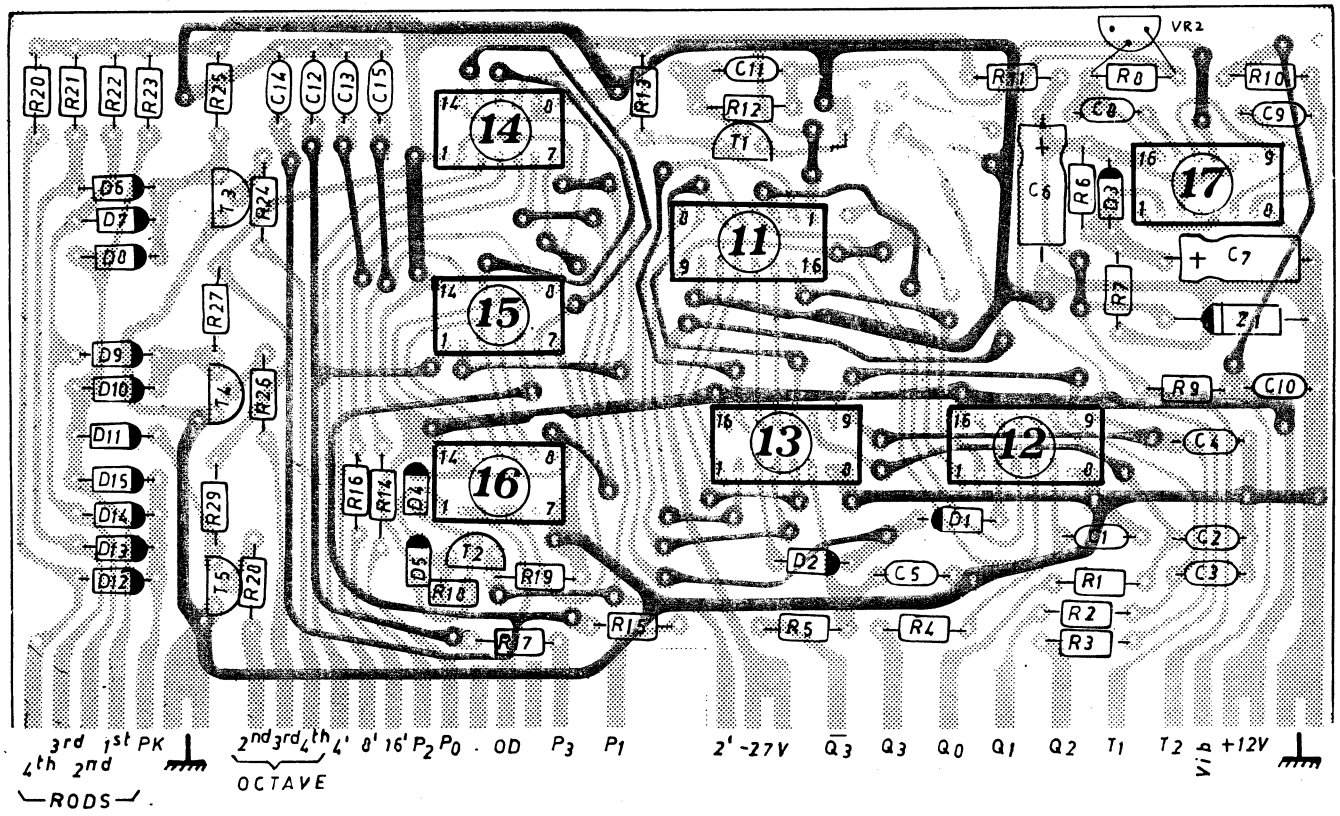


THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model ARTIST 707	Object Assembly of Printed Circuit	Sheet No 34-62
			Date 1-6-77

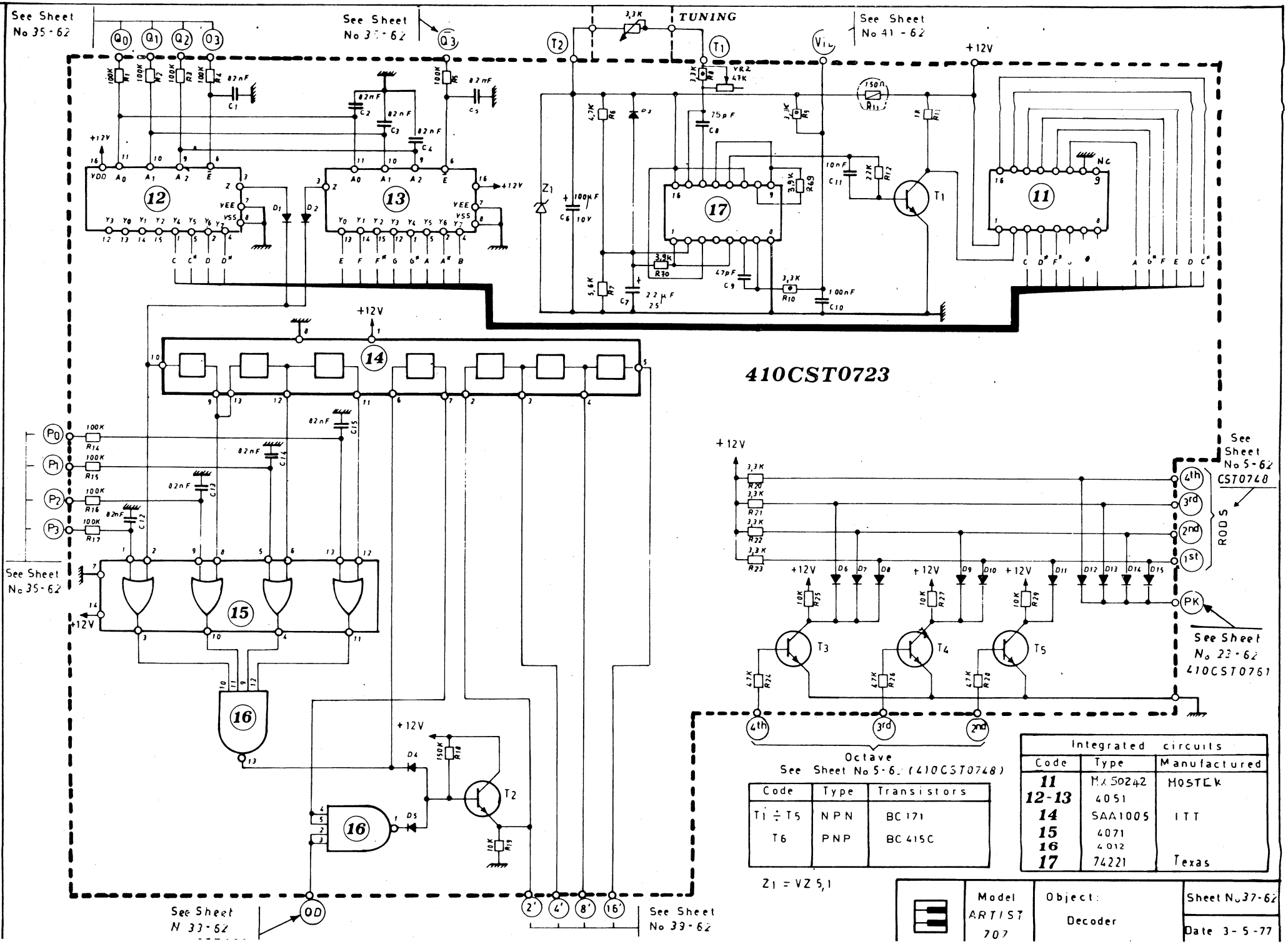

See Sheet No 23-62 (410CST0871)
See Sheet No 5-62 (410CST0740)
See Sheet No 23-62 410CST0871
See Sheet No 5-62 410CST0740
410CST0722
See Sheet No 43-62
OCTAVE
C C# D D# E F F# G G# A A# B
1st 2nd 3rd 4th
12×100K
+12V
See Sheet No 43-62
See Sheet No 43-62 No 41-62
See Sheet No 37-62
See Sheet No 37-62
See Sheet No 47-62
See Sheet No 33-62 410CST0733
TOLLERANCE 5%
NC
T1
INTEGRATED (8) | R34 | R35
4098 R.C.A. | 120K | 220K
4528 Motorola | 150K | 270K
4528 Fairchild | 150K | 330K
Code | Type | Transistors
T1 | NPN | BC173
3-6-10 Pin 7 = GND
7-9 Pin14 = +12V
Integrated circuits
Code | Type | Manufactured
1-2 | 4532
3-6-10 | 4071
4-5 | 4042
7-9 | 4030
8 | 4528
Model ARTIST 707
Object Encoder Puls generetor D/A converter
Sheet No 35-62
Date 6-5-77

410CST0723 (427GR07230)



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model ARTIST 707	Object Assembly of Printed Circuit	Sheet No 36-62
			Date 1-6-77

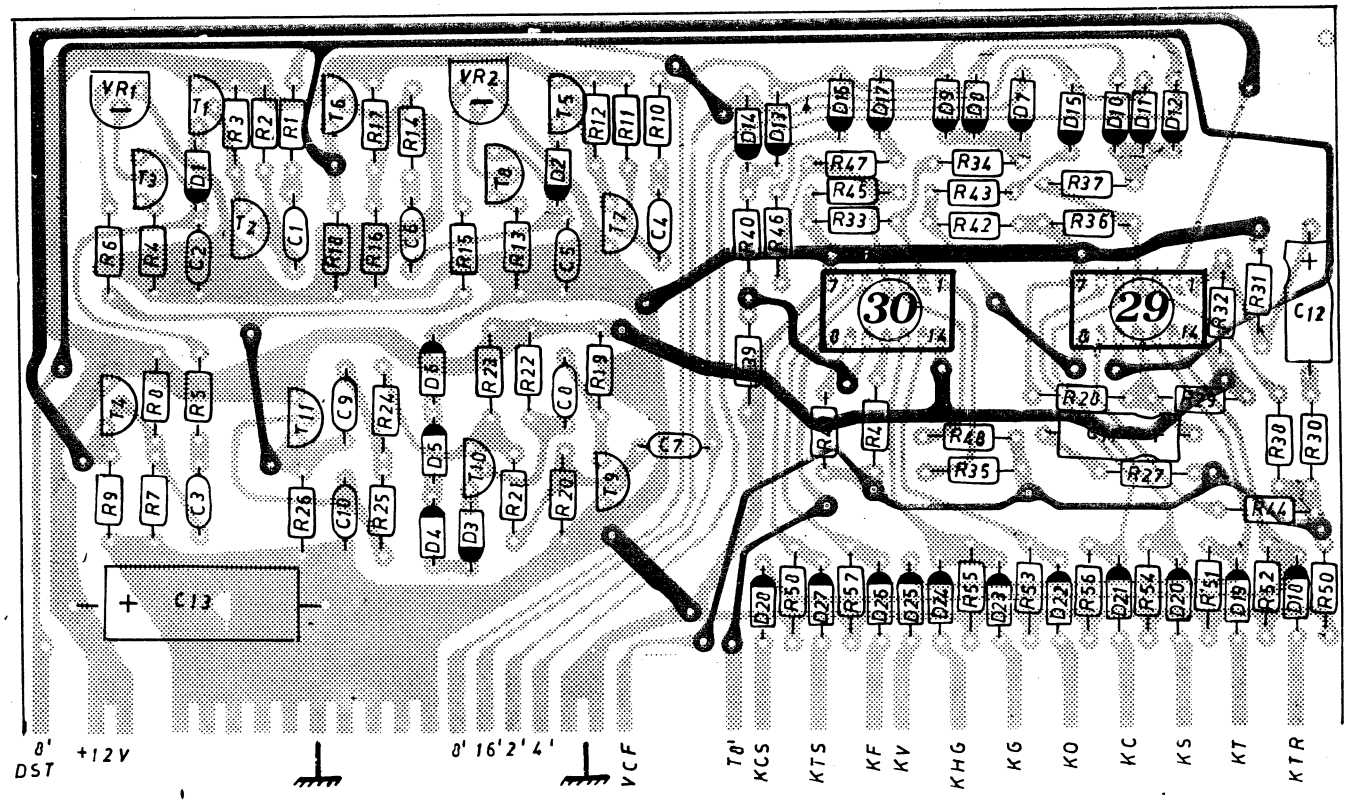

See Sheet No 35 - 62
See Sheet No 37 - 62
See Sheet No 41 - 62
TUNING
+12V
410CST0723
See Sheet No 5-62 CST0740
RODS
See Sheet No 23 - 62 410CST0761
See Sheet No 35 - 62
See Sheet N 33 - 62
See Sheet No 39 - 62
Octave
See Sheet No 5-62 (410CST0748)
Z1 = VZ 5,1

Code	Type	Transistors
T1 ÷ T5	NPN	BC 171
T6	PNP	BC 415C

Integrated circuits		
Code	Type	Manufactured
11	MK 50242	MOSTEK
12-13	4051	
14	SAA1005	ITT
15	4071	
16	4012	
17	74221	Texas

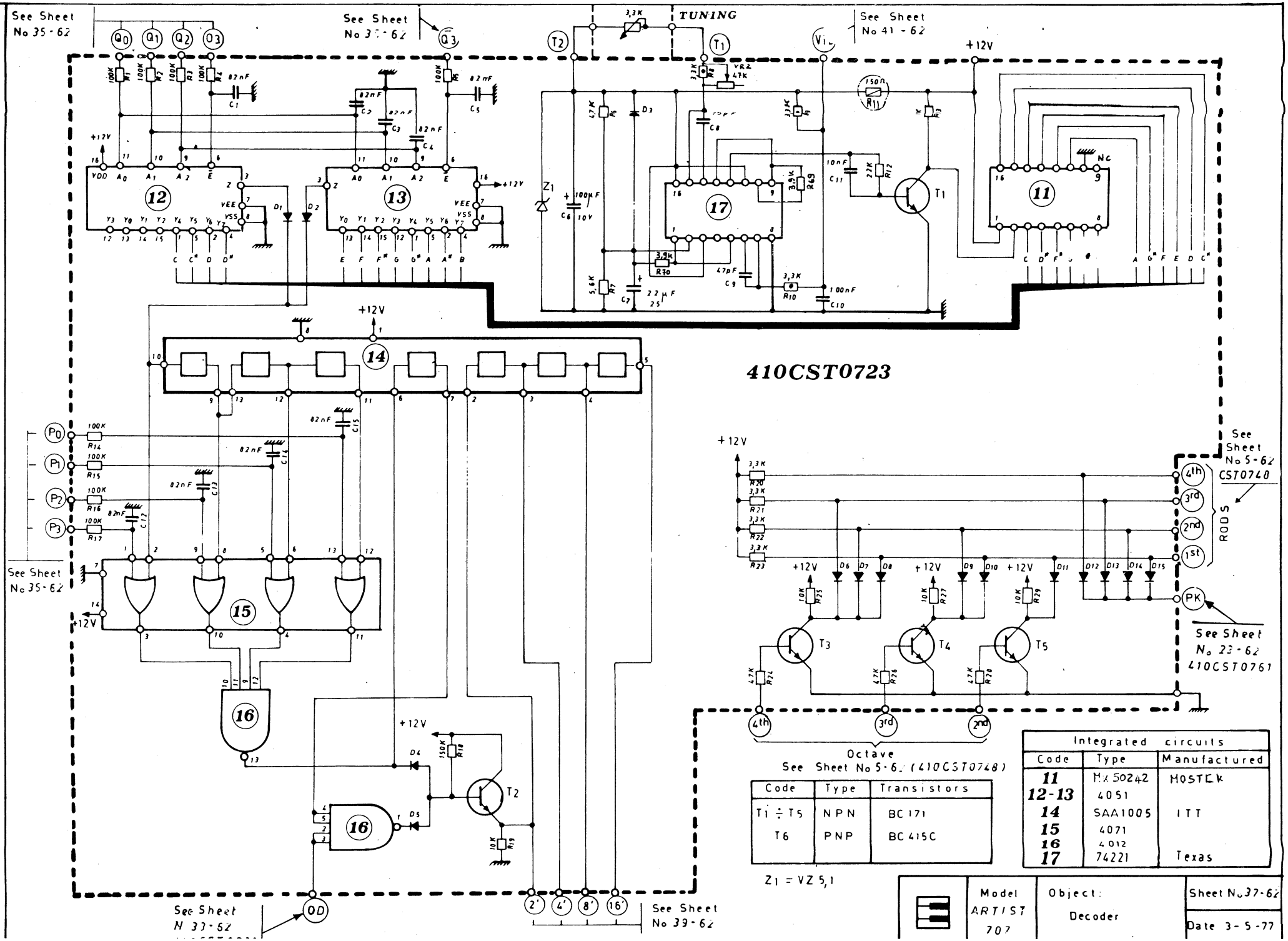
	Model	Object:	Sheet No. 37-62
	ARTIST 707	Decoder	Date 3-5-77

410CST0724 (427GR07240)



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model	Object	Sheet No 38-62
	ARTIST 707	Assembly of Printed Circuit	Date 2-6-77

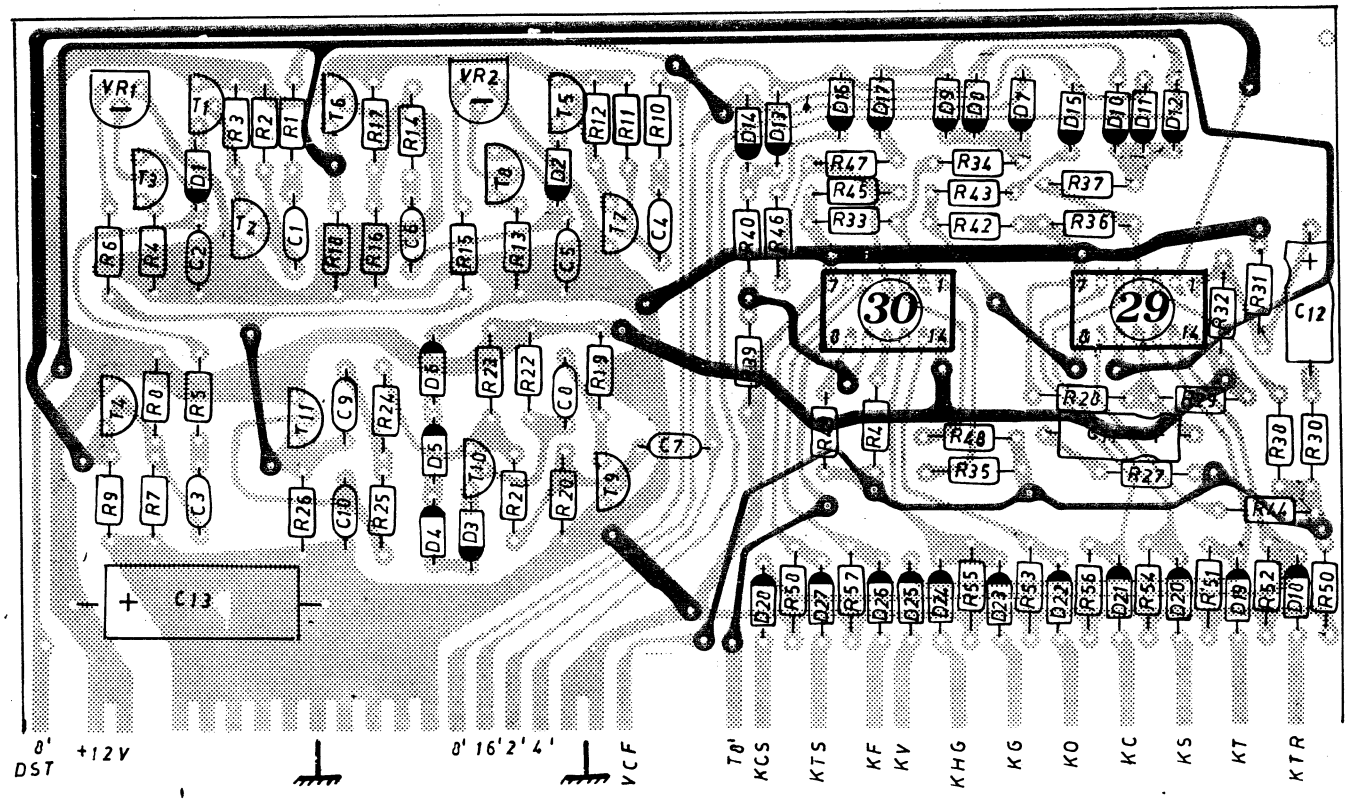

See Sheet No 35 - 62
See Sheet No 37 - 62
See Sheet No 41 - 62
TUNING
+12V
410CST0723
See Sheet No 35 - 62
See Sheet No 5 - 62 CST0748
ROOS
See Sheet No 23 - 62 410CST0761
Octave
See Sheet No 5 - 62 (410CST0748)
See Sheet N 33 - 62
See Sheet No 39 - 62
Z1 = VZ 5,1

Code	Type	Transistors
T1 ÷ T5	NPN	BC 171
T6	PNP	BC 415C

Integrated circuits		
Code	Type	Manufactured
11	MK 50242	MOSTEK
12-13	4051	
14	SAA1005	ITT
15	4071	
16	4012	
17	74221	Texas

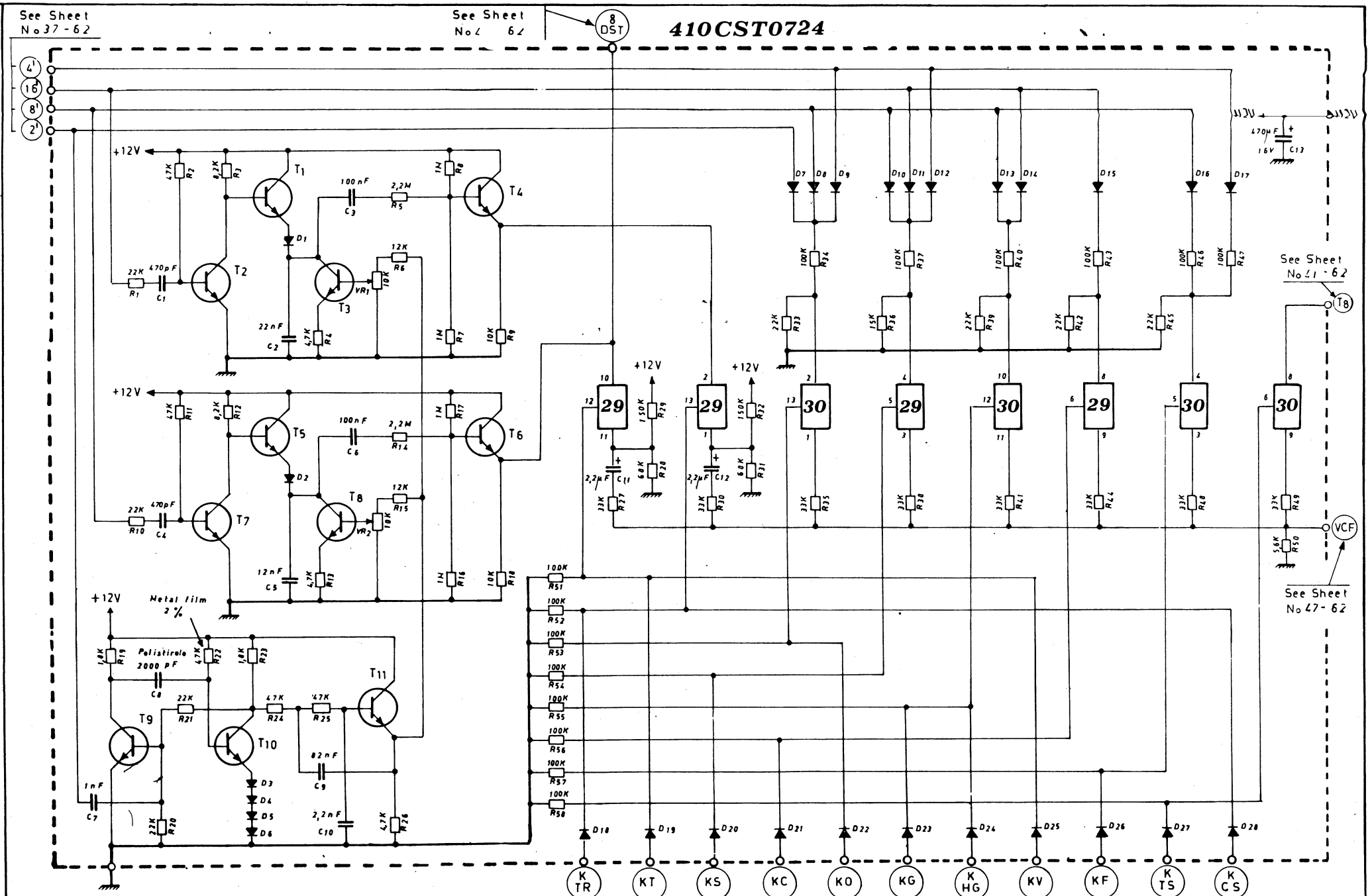
	Model	Object:	Sheet No 37-62
	ARTIST 707	Decoder	Date 3-5-77

410CST0724 (427GR07240)



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model	Object	Sheet No 38-62
	ARTIST 707	Assembly of Printed Circuit	Date 2-6-77



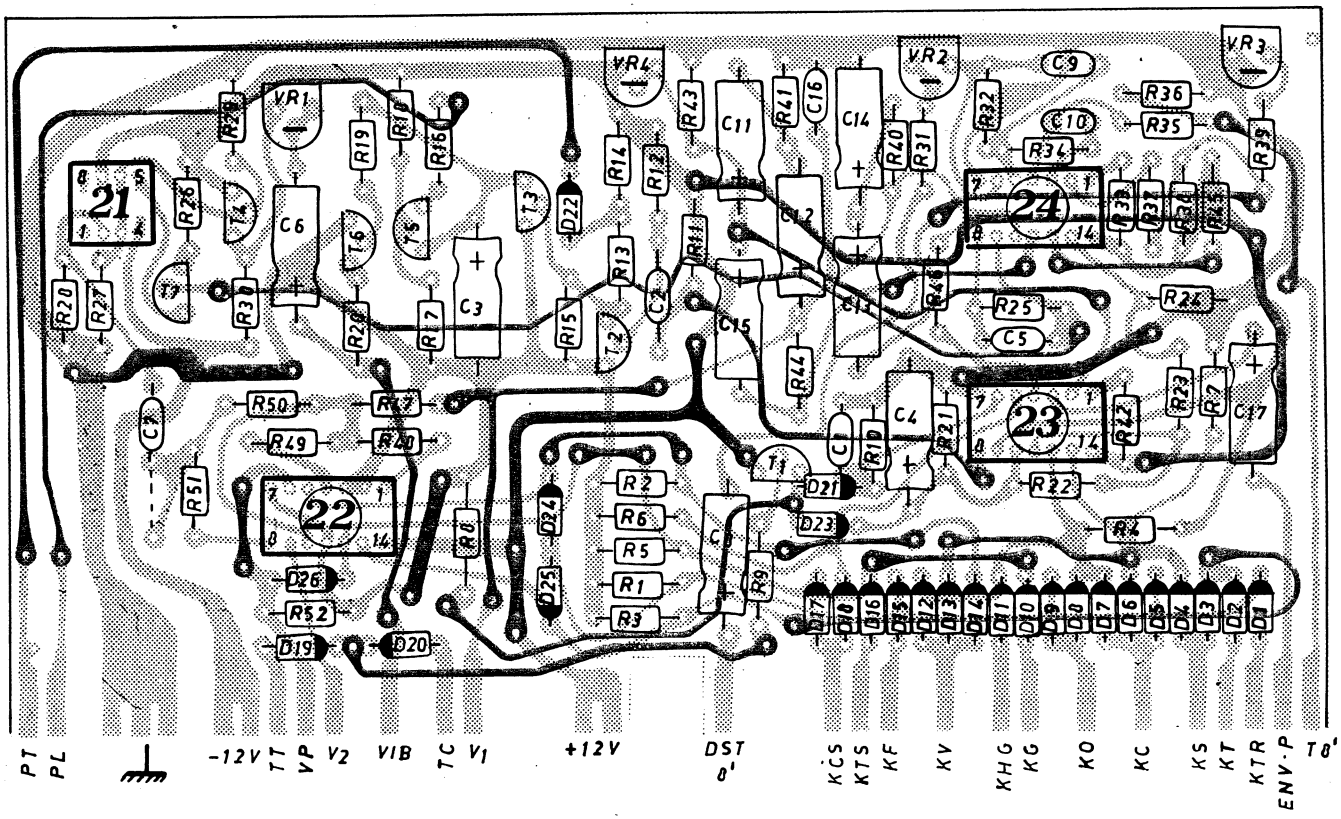
Integrated circuits		
Code	Type	Manufactured
29 - 30	4016	

Code	Type	Transistors
T1 ÷ T11	NPN	BC 173

4016 { Pin 7 = GND
Pin 14 = +12V

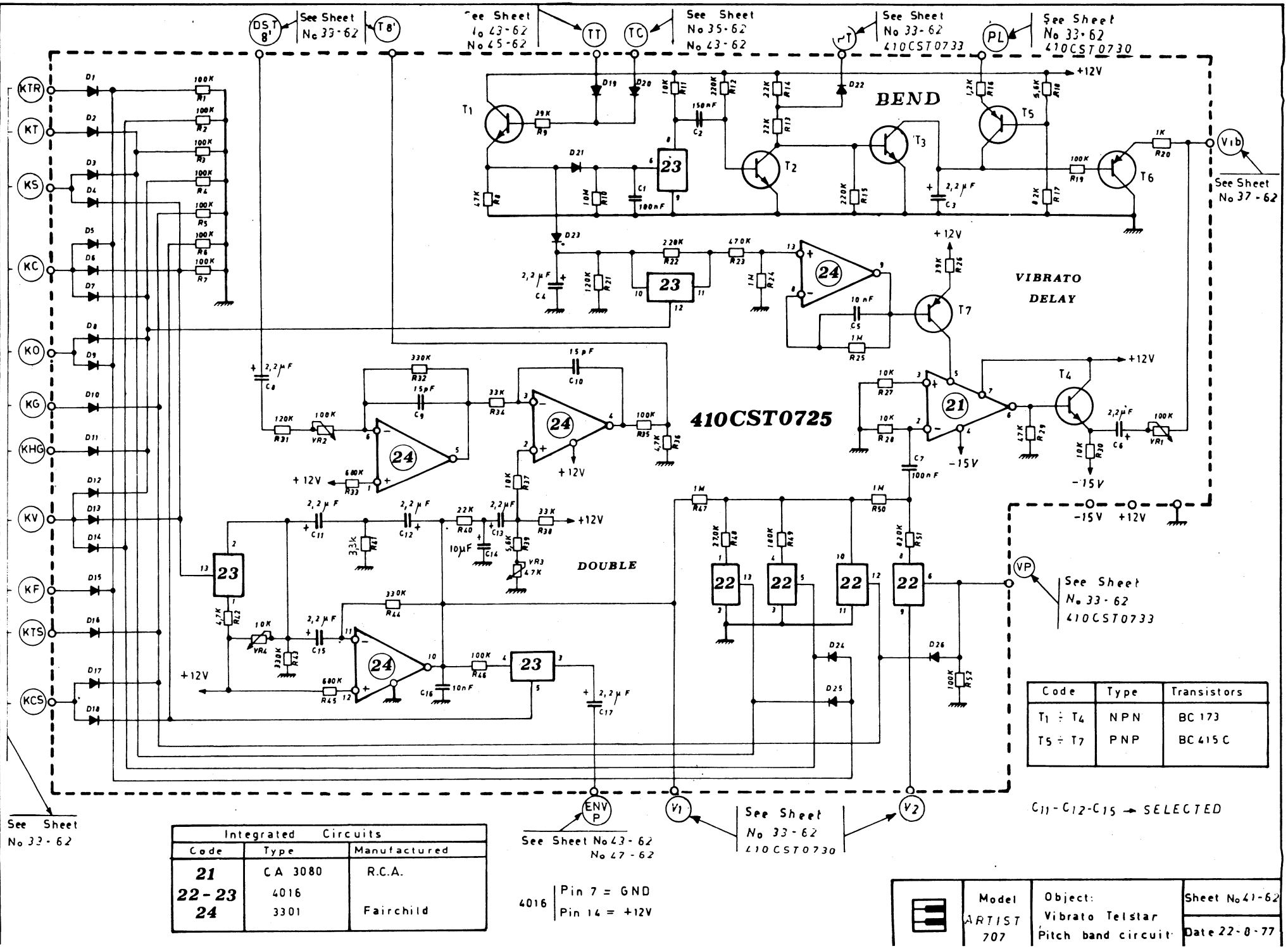
Model	Object:	Sheet No 39-62
ARTIST 707	Wave form generator	Date 28-7-77

410CST0725 (427GR07250)



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model	Object	Sheet No 40-62
	ARTIST 707	Assembly of Printed Circuit	Date 2-7-77



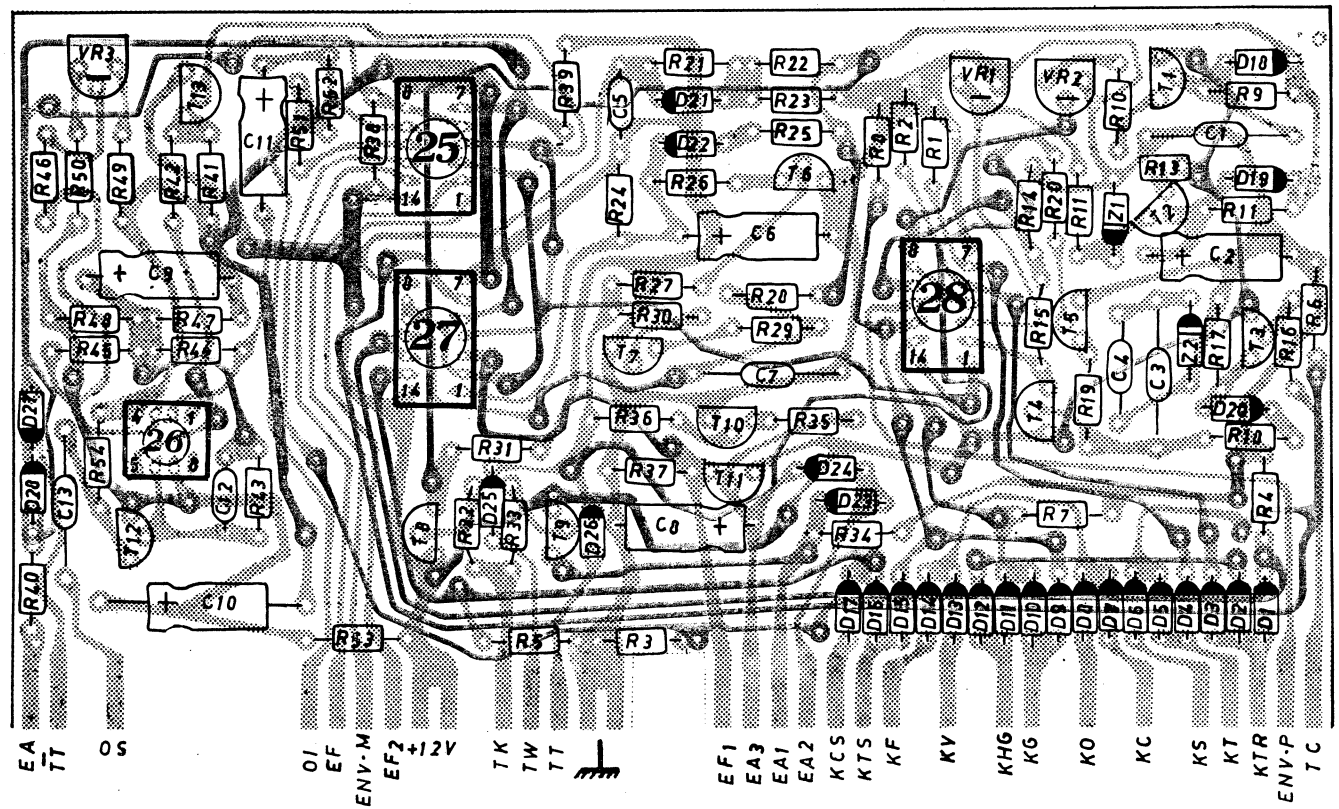
Code	Type	Transistors
T1 ÷ T4	NPN	BC 173
T5 ÷ T7	PNP	BC 415 C

Integrated Circuits		
Code	Type	Manufactured
21	CA 3080	R.C.A.
22 - 23	4016	
24	3301	Fairchild

4016 | Pin 7 = GND
Pin 14 = +12V

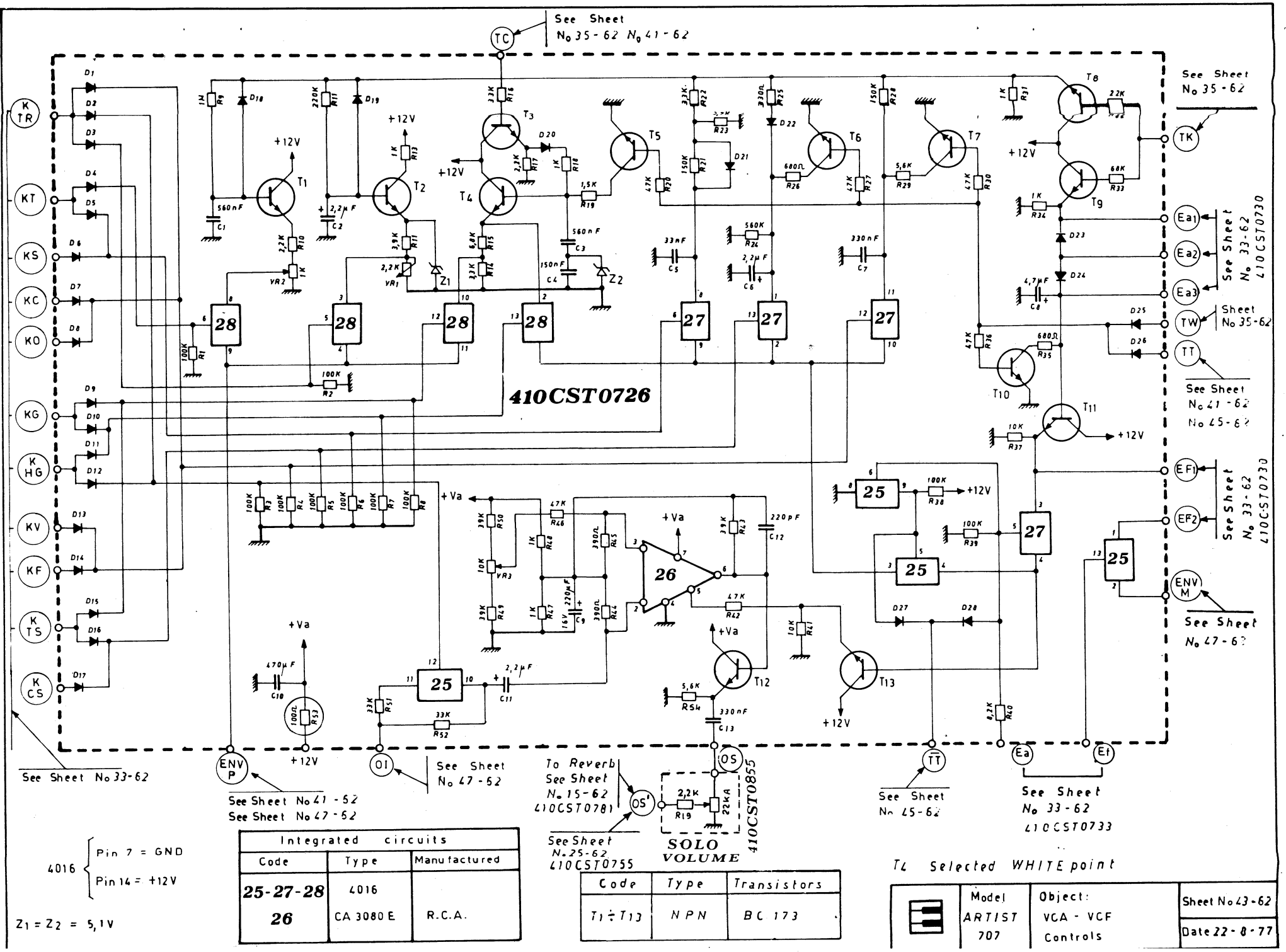
	Model ARTIST 707	Object: Vibrato Telstar Pitch band circuit	Sheet No 41-62
			Date 22-0-77

410CST0726 (427GR07260)



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model	Object	Sheet No 42-60
	ARTIST 707	Assembly of Printed Circuit	Date 3-6-77



4016 { Pin 7 = GND / Pin 14 = +12V

$Z_1 = Z_2 = 5,1V$

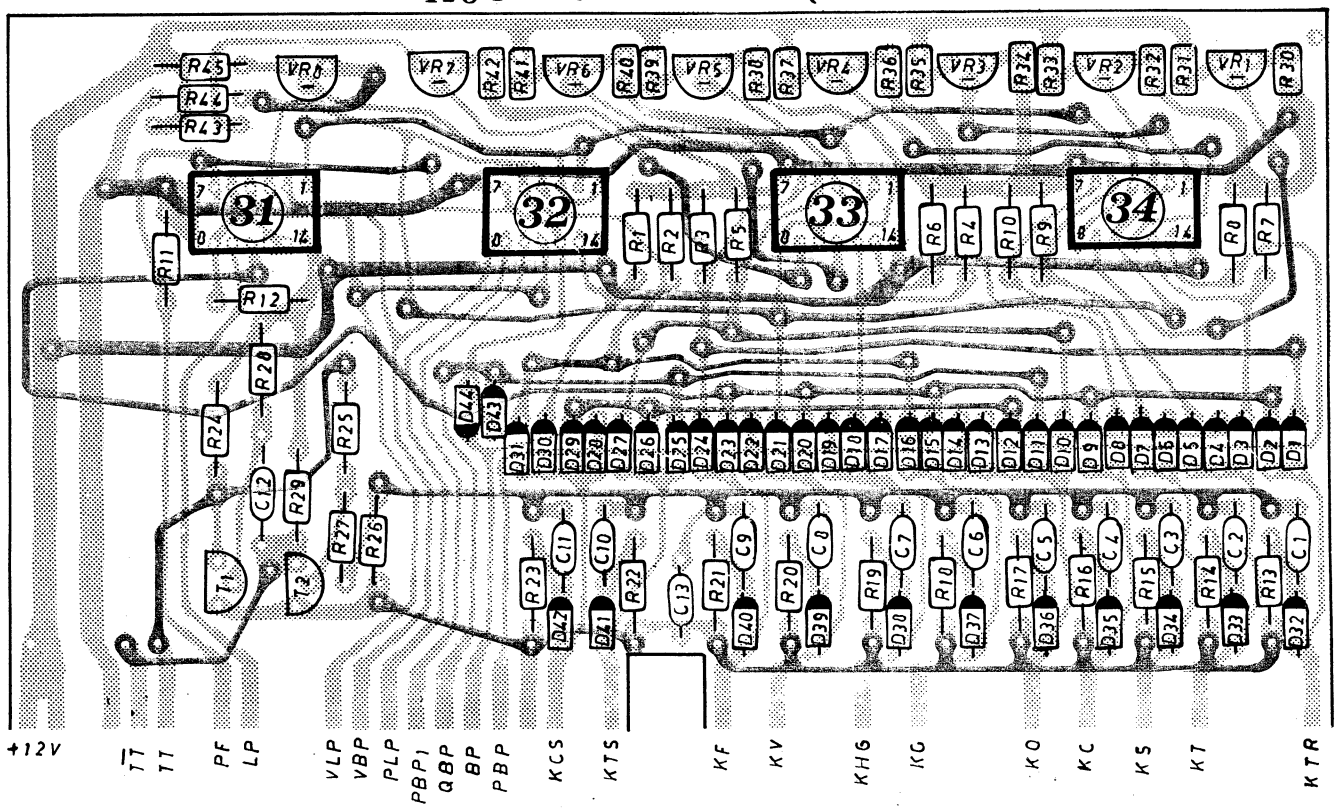
Integrated circuits		
Code	Type	Manufactured
25-27-28 26	4016 CA 3080 E	R.C.A.

Code	Type	Transistors
T1 ÷ T13	NPN	BC 173

T4 Selected WHITE point

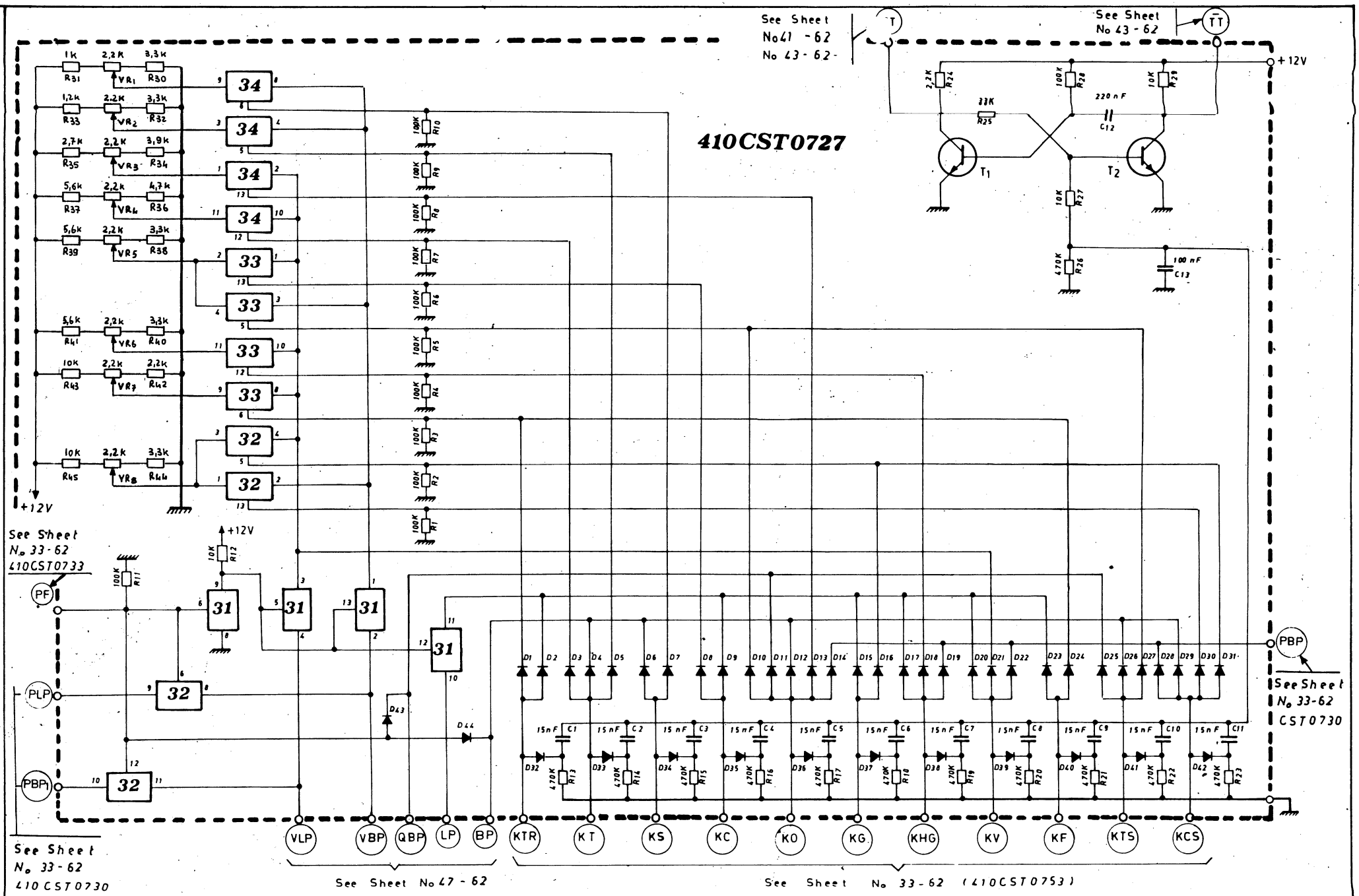
Model	Object:	Sheet No 43-62
ARTIST 707	VCA - VCF Controls	Date 22 - 8 - 77

410CST0727 (457GR07270)



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model ARTIST 707	Object: Assembly of Printed Circuit	Sheet No 44-62
			Date 25-10-77



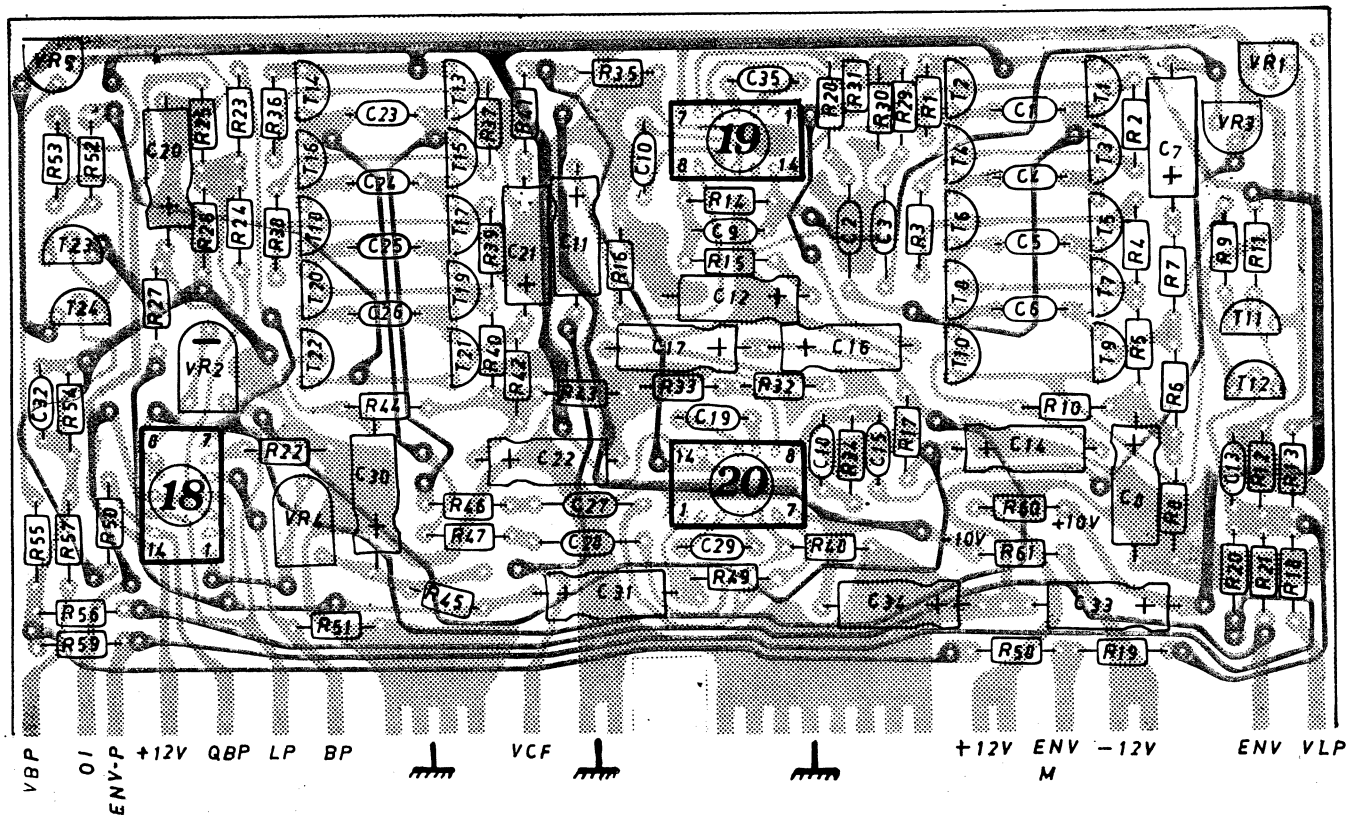
Code	Type	Transistors
T1 - T2	N. P. N.	BC 173

4016 { Pin 7 = GND; Pin 14 = +12V

Integrated circuits		
Code	Type	Manufactured
31 ÷ 34	4016	

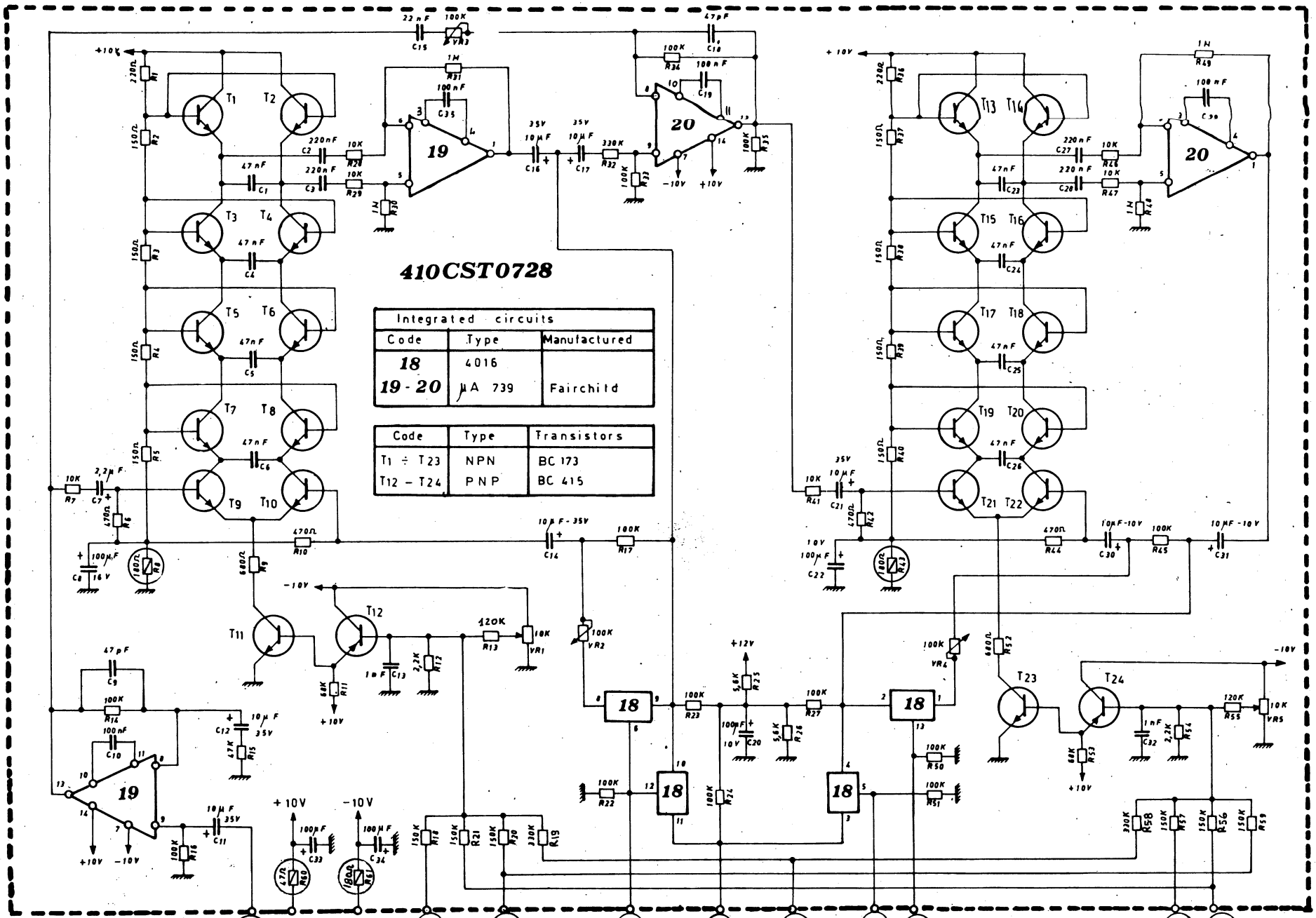
Model	Object:	Sheet No 45-62
ARTIST 707	Timbre control	Date 23-8-77

410CST0728 (427GR07280)



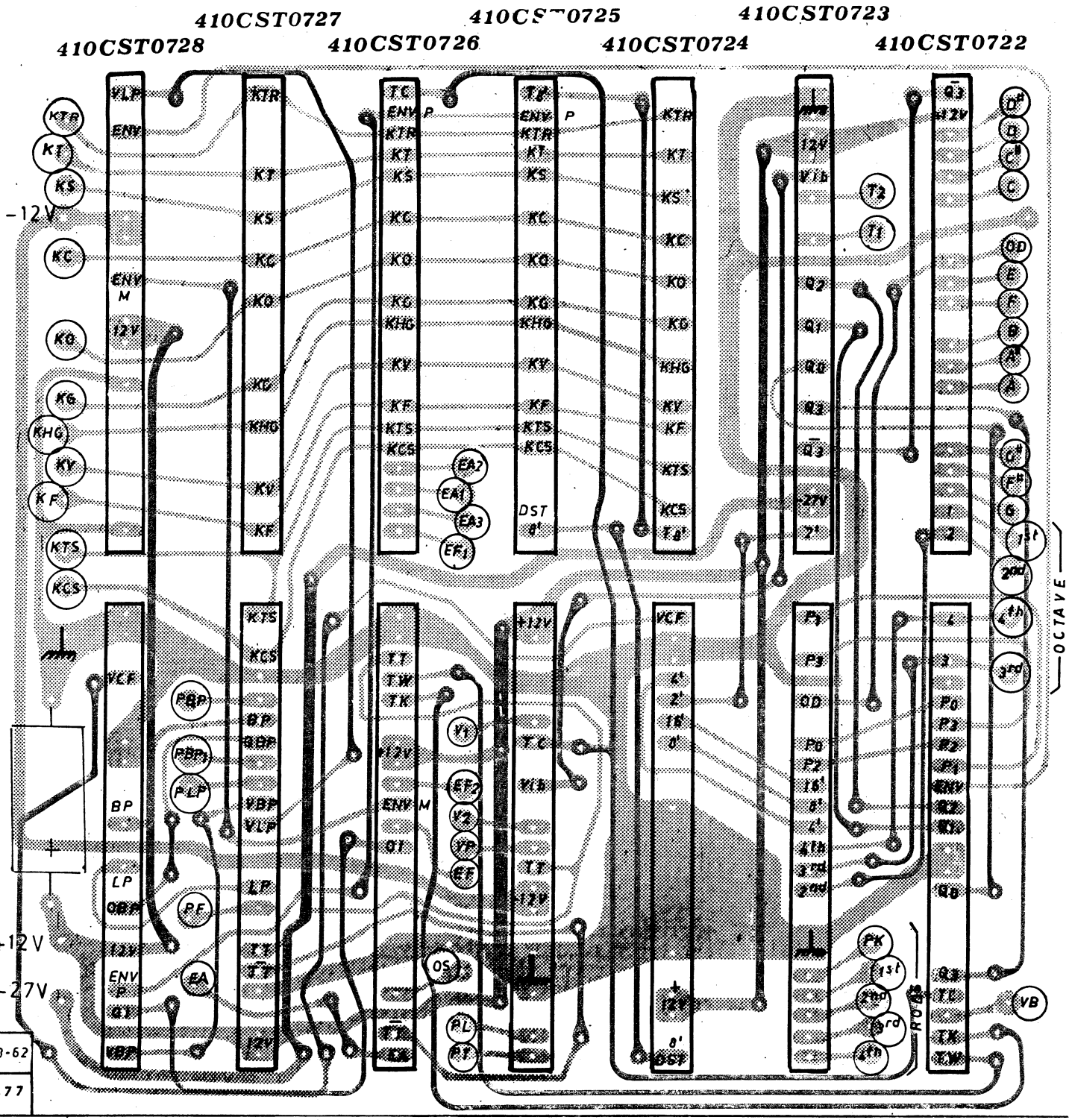
THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model ARTIST 707	Object Assembly of Printed Circuit	Sheet No. 46-62
			Date 6-6-77



	Model	Object:	Sheet No 47-62
	ARTIST 707	VCF	Date 23-8-77

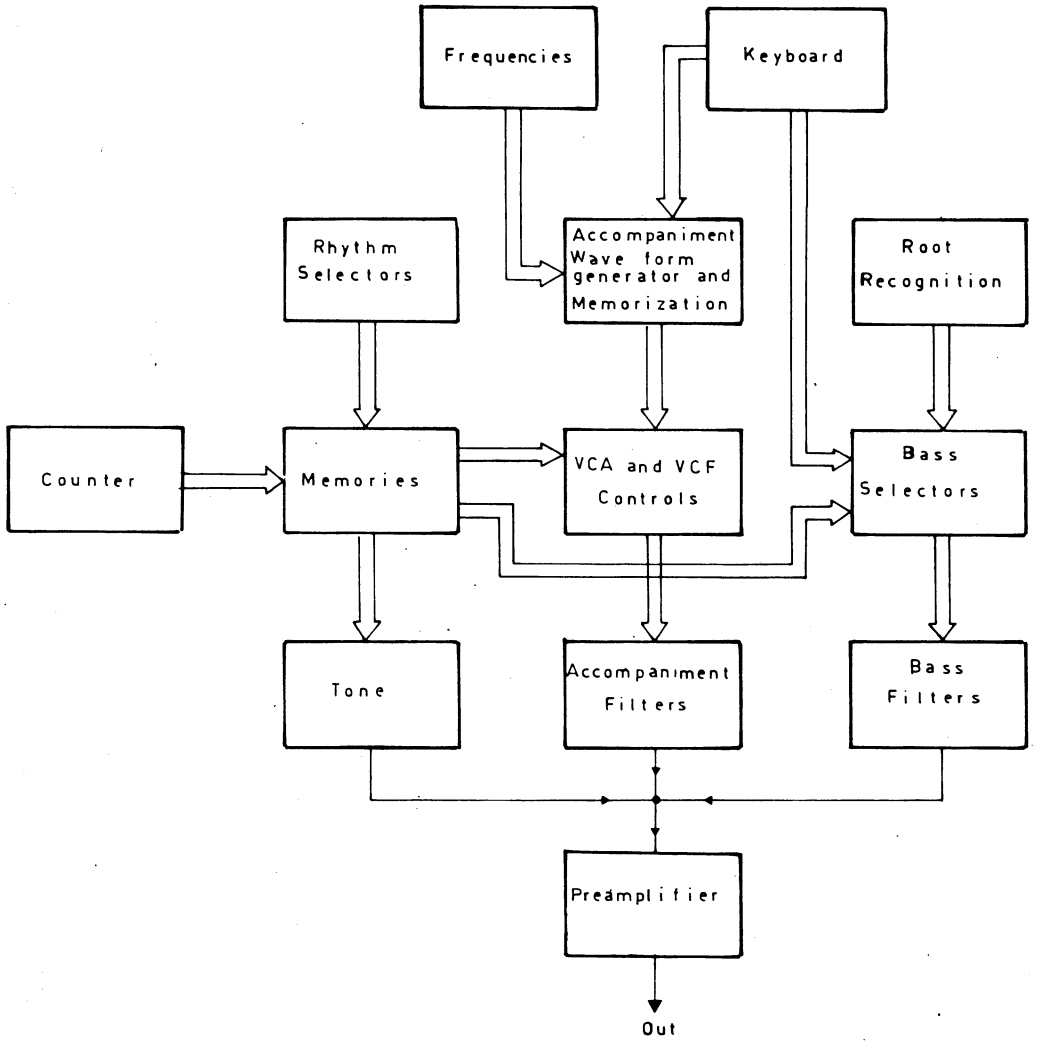
410CST0729
(427GR07290)



THE NUMBERS IN BRACKETS REPRESENT THE ELKA CODES OF THE ASSEMBLED BOARDS WHILST THE OTHERS REPRESENT THE ELKA CODES OF THE NON-ASSEMBLED BOARDS.

	Model ARTIST 707	Object Assembly of Printed Circuit	Sheet No 48-62
			Date 7-6-77

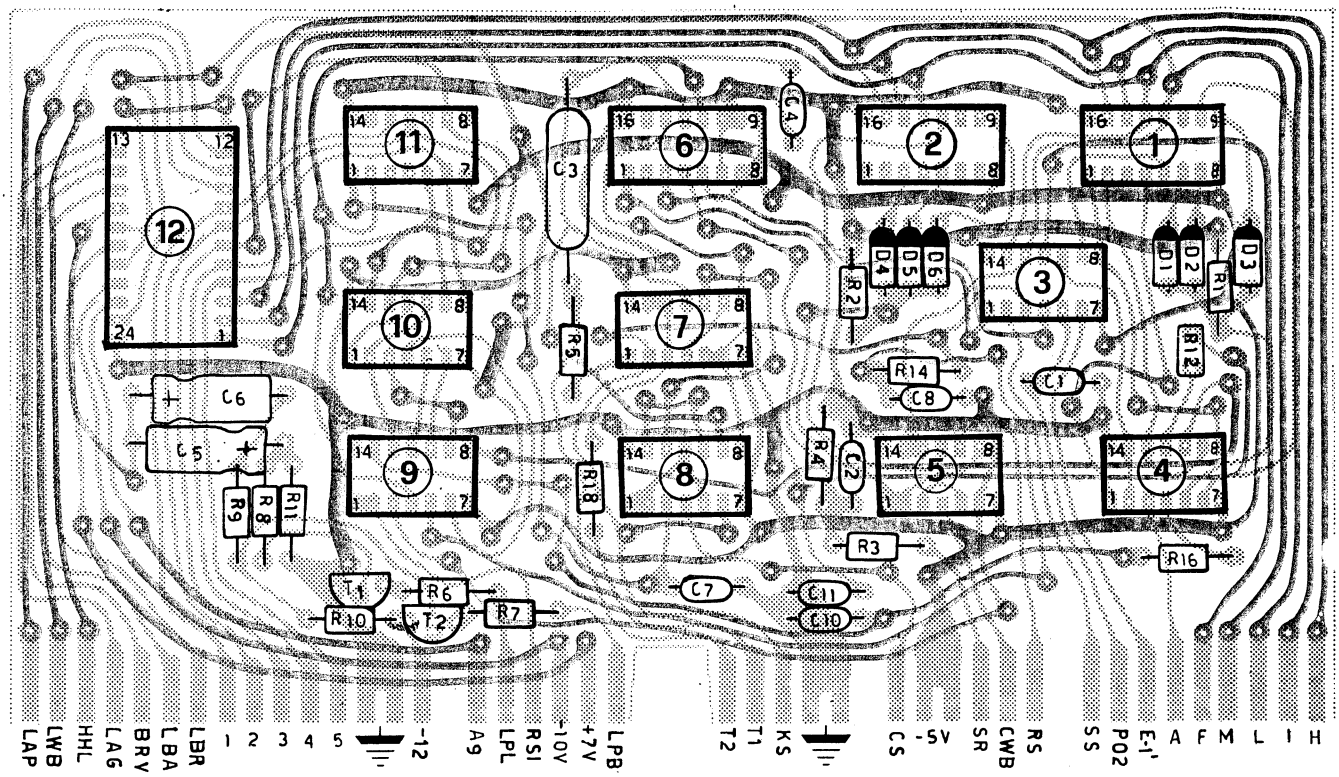
RHYTHM UNIT



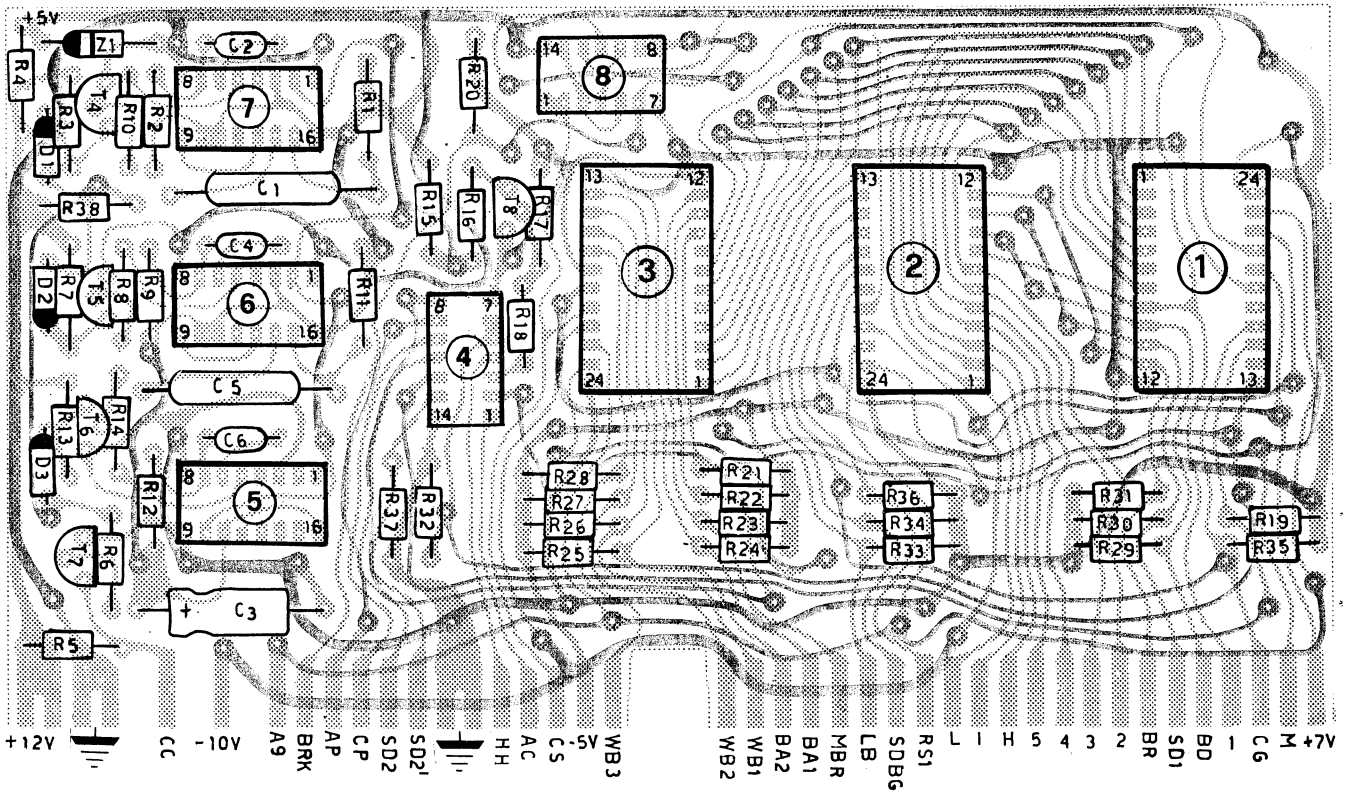
	Model	Object:	Sheet No. 49-62
	ARTIST 707	Block Diagram	Dat 25-7-77

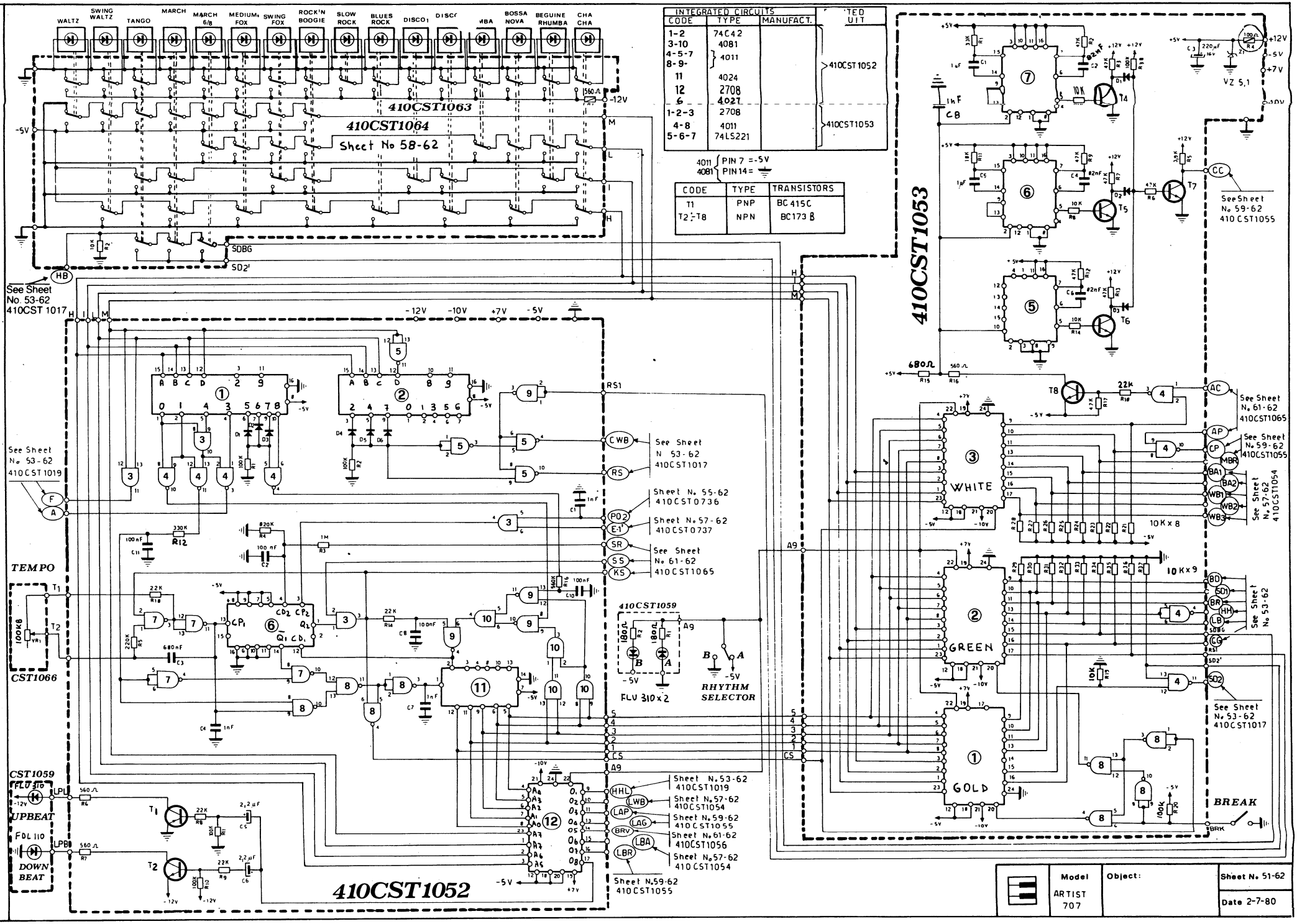
Model	Object:	Sheet No 50-62
ARTIST 707	Assembly of Printed Circuit	Date 11-7-80

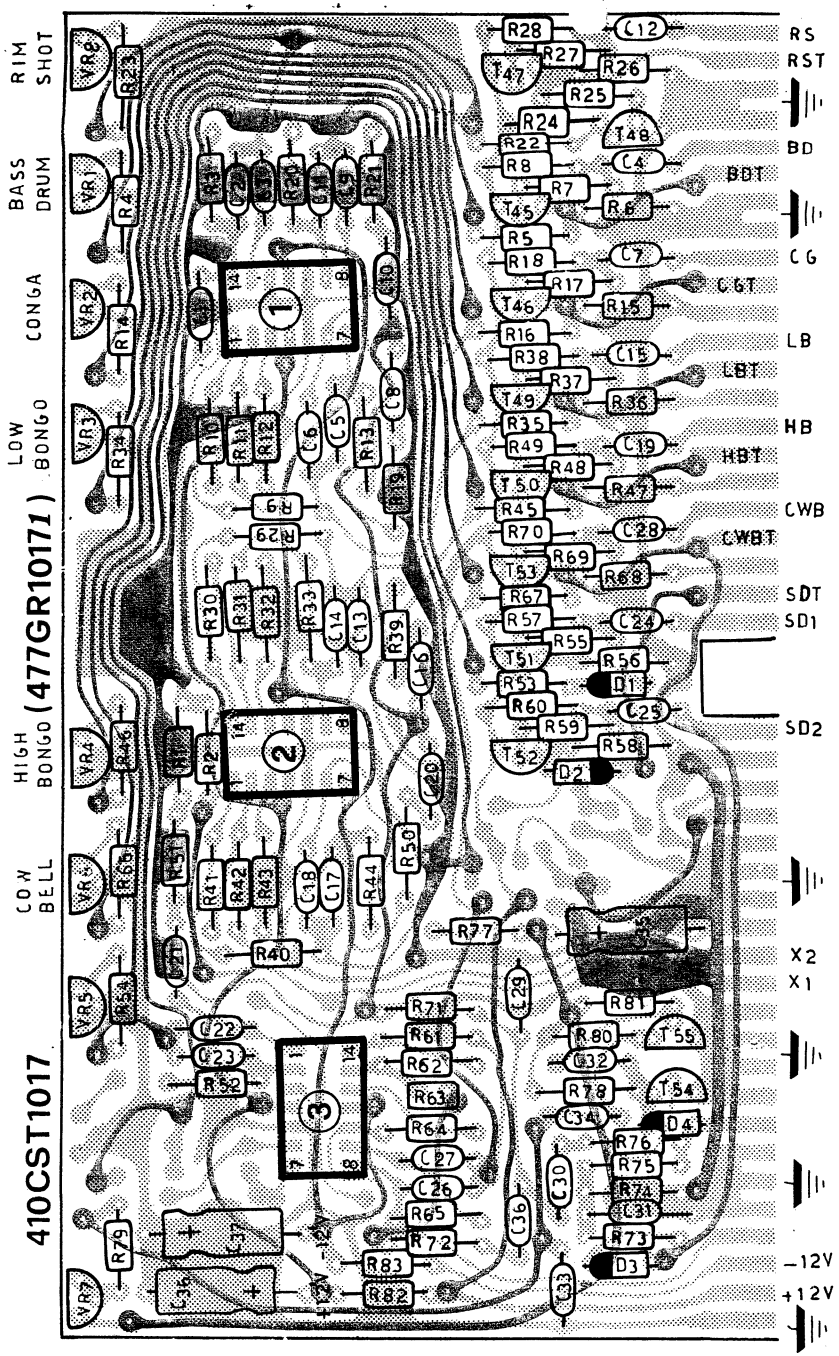
410CST1052 (477GR10520)

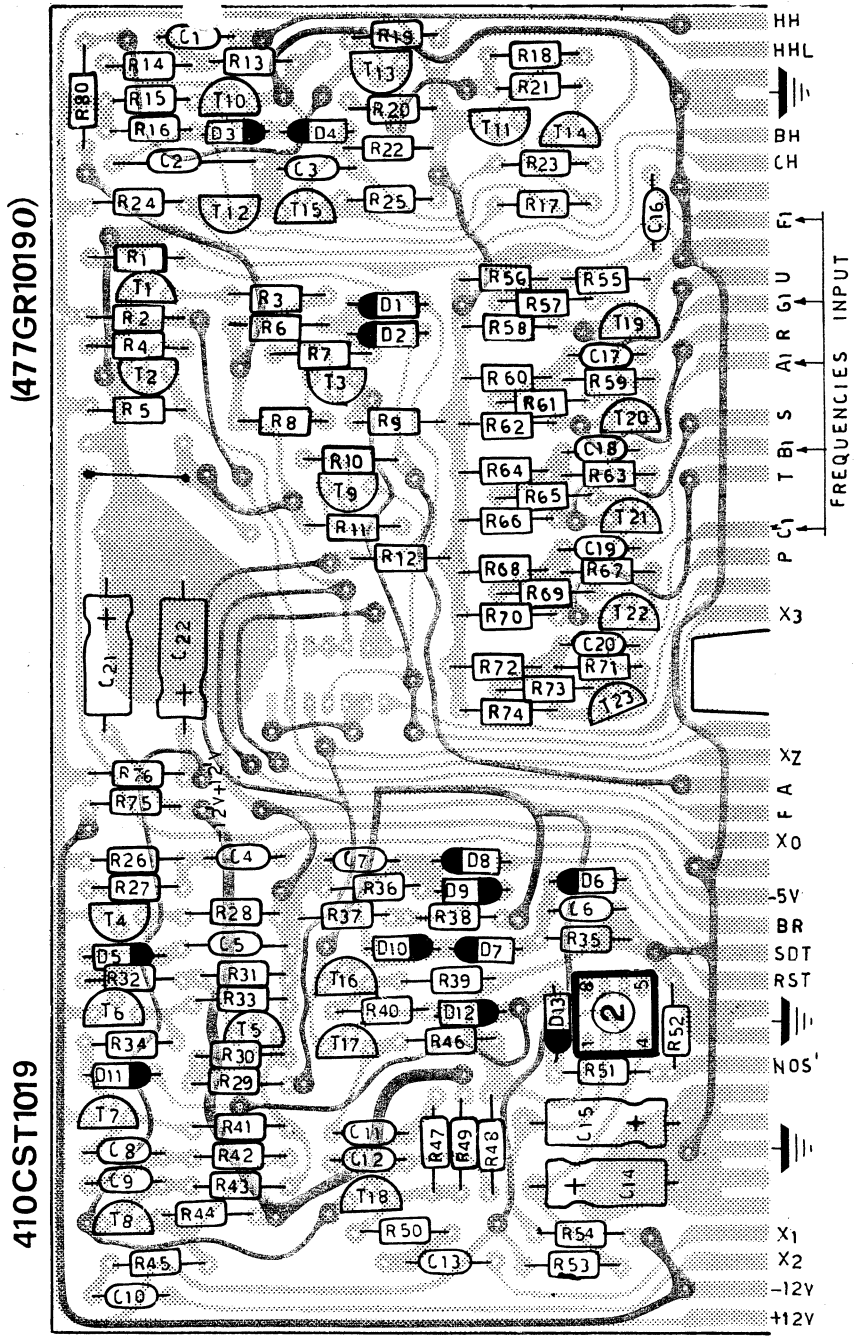


410CST1053 (477GR10530)



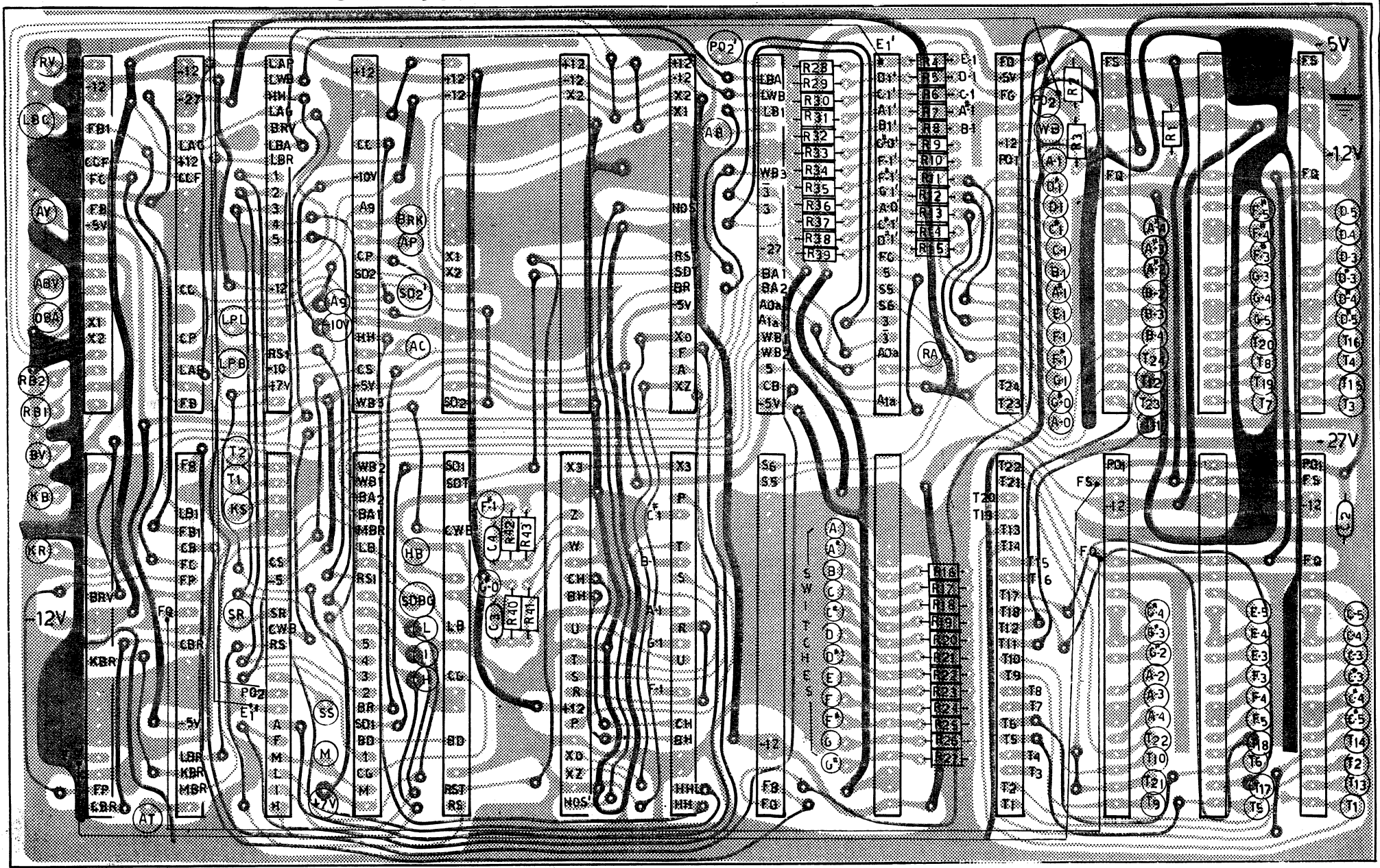

WALTZ
SWING WALTZ
TANGO
MARCH
MARCH 6/8
MEDIUM FOX
SWING FOX
ROCK'N BOOGIE
SLOW ROCK
BLUES ROCK
DISCO1
DISCO
VIBA
BOSSA NOVA
BEGUINE RHUMBA
CHA CHA
410CST1063
410CST1064
Sheet No 58-62
-12V
-5V
SDBG
SD2'
HB
See Sheet No. 53-62 410CST 1017
INTEGRATED CIRCUITS
CODE | TYPE | MANUFACT.
1-2 | 74C42
3-10 | 4081
4-5-7 | 4011
8-9-
11 | 4024
12 | 2708
6 | 4027
1-2-3 | 2708
4-8 | 4011
5-6-7 | 74LS221
410CST1052
410CST1053
4011 PIN 7 =-5V
4081 PIN 14 =
CODE | TYPE | TRANSISTORS
T1 | PNP | BC 415C
T2-T8 | NPN | BC173 B
410CST1053
VZ 5,1
See Sheet No. 59-62 410CST1055
See Sheet No. 61-62 410CST1065
See Sheet No. 59-62 410CST1055
See Sheet No. 57-62 410CST1054
See Sheet No. 53-62
See Sheet No. 53-62 410CST1017
WHITE
GREEN
GOLD
10K x 8
10K x 9
BREAK
See Sheet No. 53-62 410CST 1019
See Sheet N 53-62 410CST1017
Sheet No. 55-62 410CST0736
Sheet No. 57-62 410CST0737
See Sheet No. 61-62 410CST1065
TEMPO
CST1066
410CST1059
FLU 310 x 2
RHYTHM SELECTOR
CST1059
FLU 110
UPBEAT
DOWN BEAT
410CST1052
Sheet N.53-62 410CST1019
Sheet N.57-62 410CST1054
Sheet N.59-62 410CST1055
Sheet N.61-62 410CST1056
Sheet N.57-62 410CST1054
Sheet N.59-62 410CST1055
Model ARTIST 707
Object:
Sheet No. 51-62
Date 2-7-80



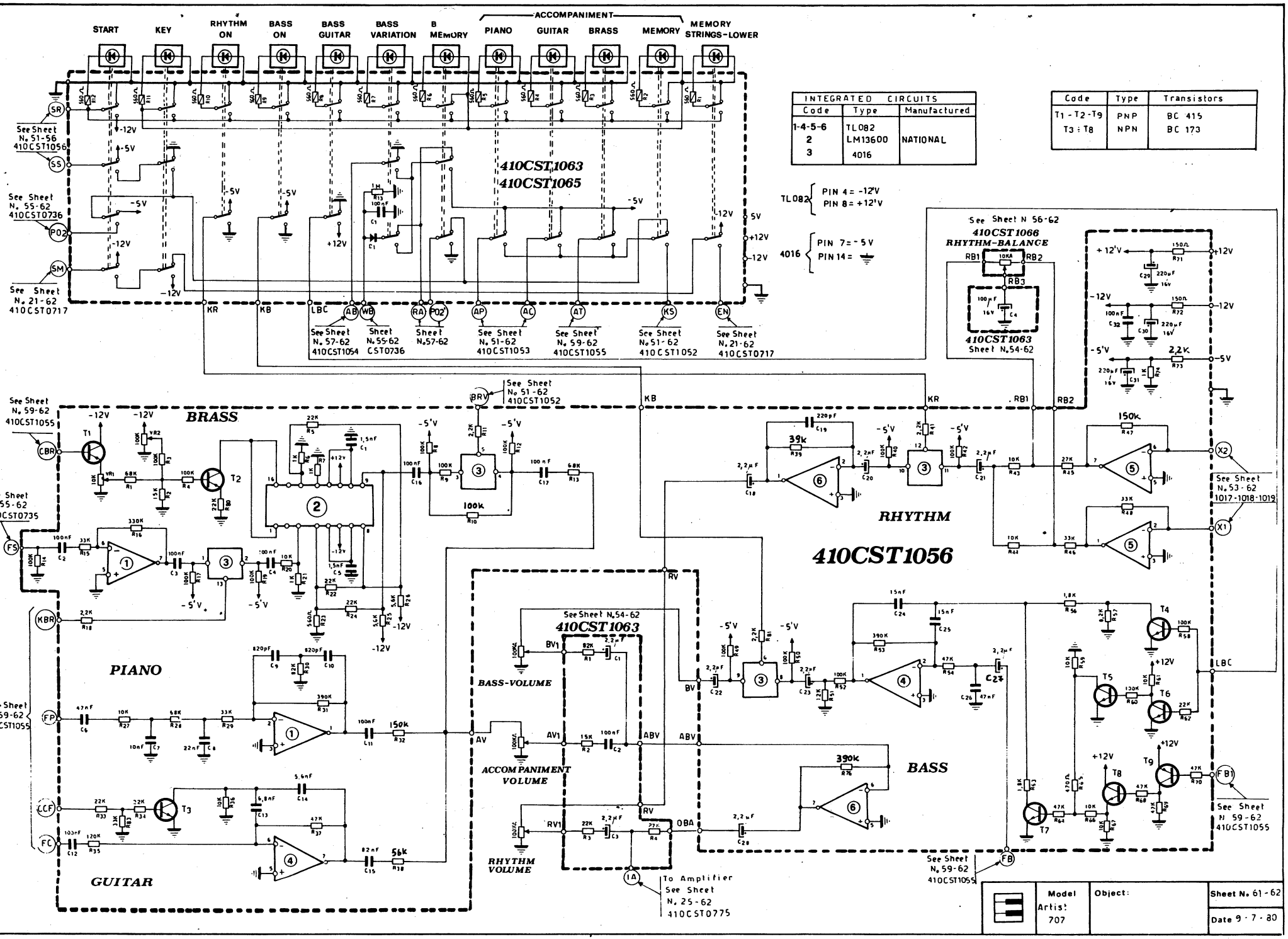


	Model: ARTIST 707	Object: Inside view of the organ	Sheet No 52-62
			Date 20-6-80

410CST105 (4[illegible]GR10571



	Model ARTIST 707	Object: Inside view of the organ	Sheet No 62-62
			Date 14-7-80



INTEGRATED CIRCUITS		
Code	Type	Manufactured
1-4-5-6	TL082	NATIONAL
2	LM13600	
3	4016	

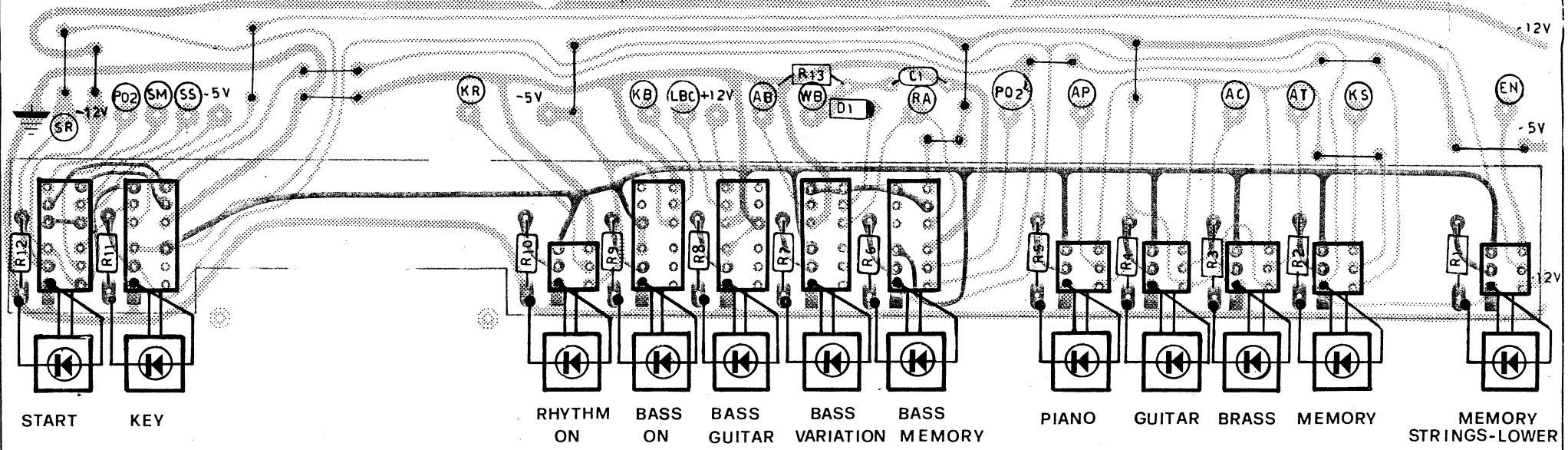
TL082 { PIN 4 = -12V, PIN 8 = +12V }

4016 { PIN 7 = -5V, PIN 14 = ⏚ }

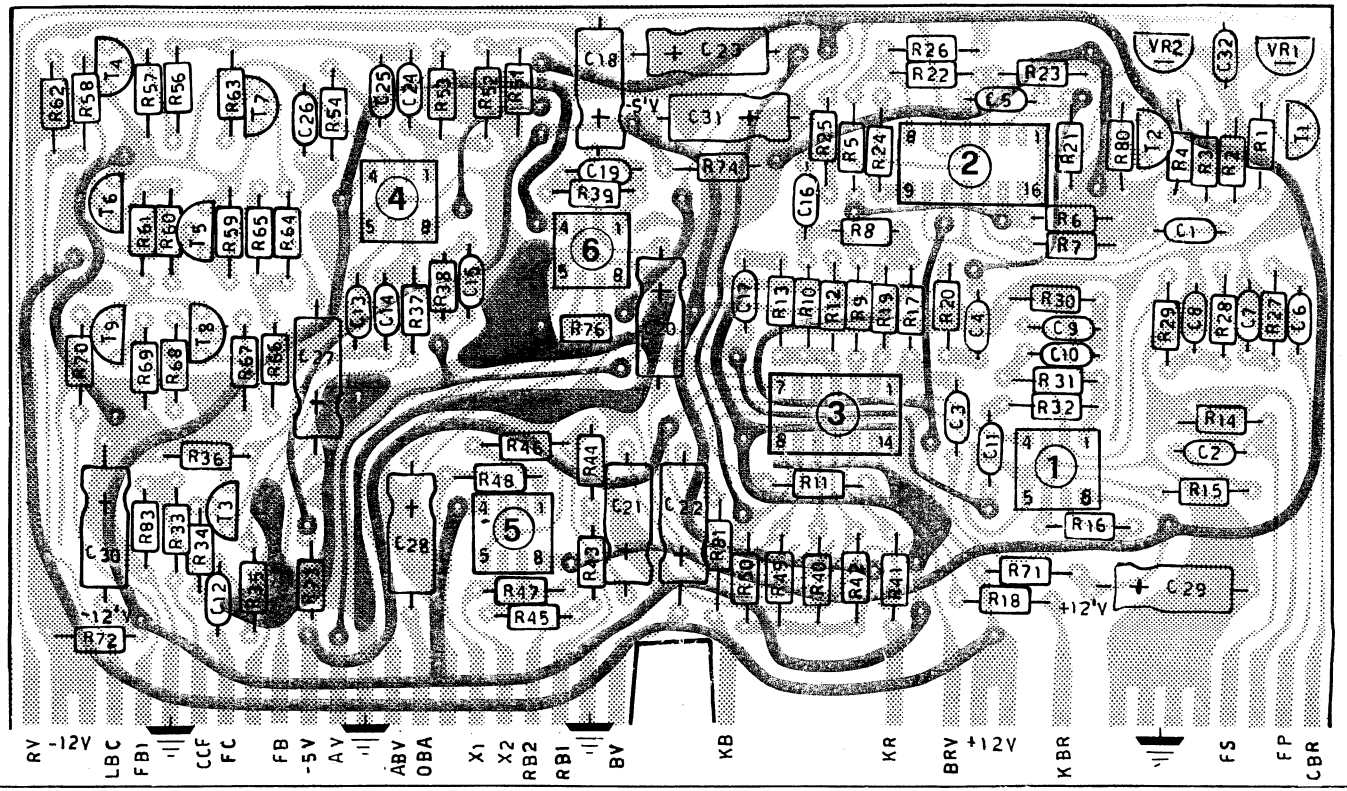
Code	Type	Transistors
T1 - T2 - T9	PNP	BC 415
T3 : T8	NPN	BC 173

Model	Object:	Sheet No. 61 - 62
Artist 707		Date 9 - 7 - 80

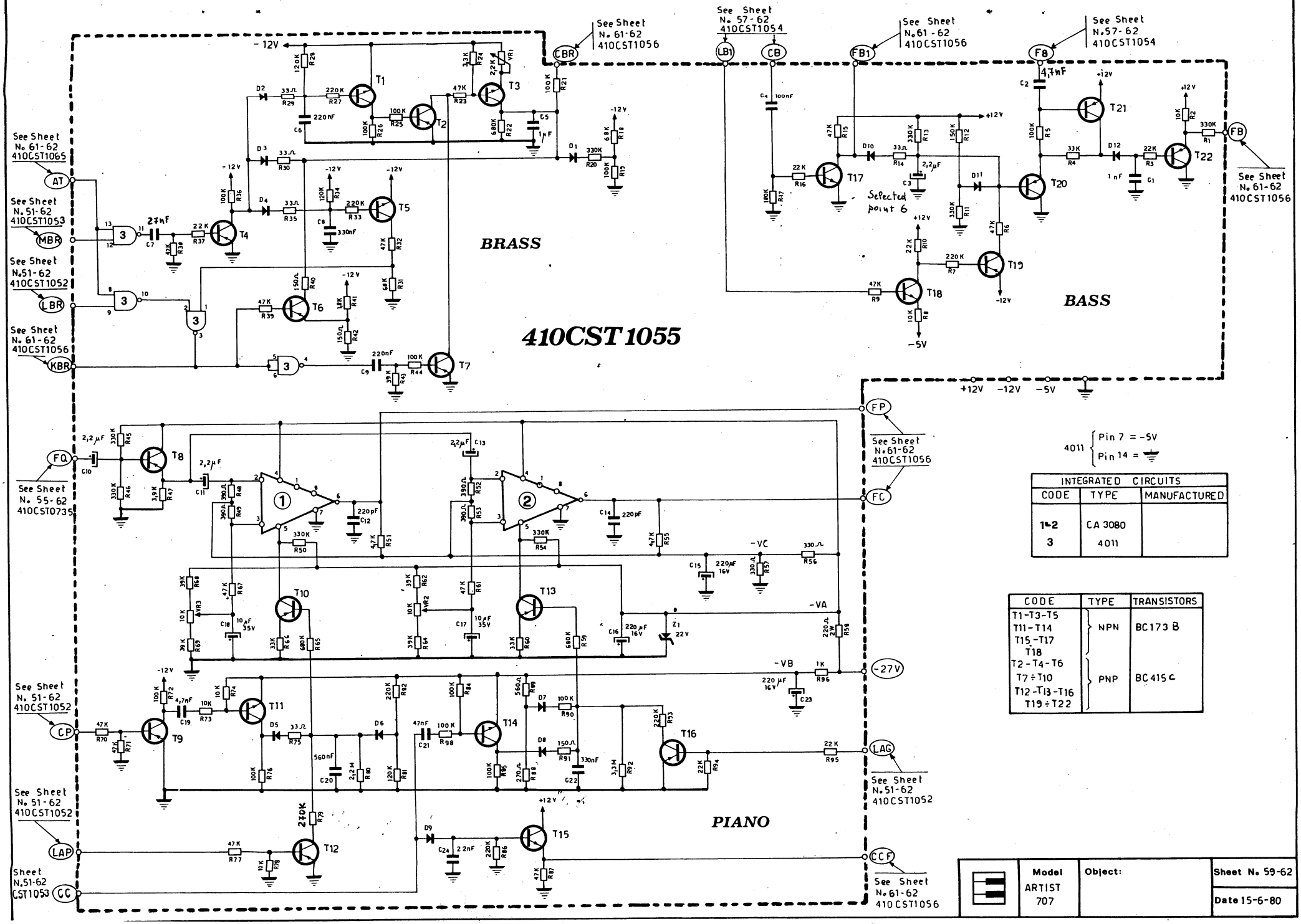
410CST1063 410CST1065 (477PR10630)



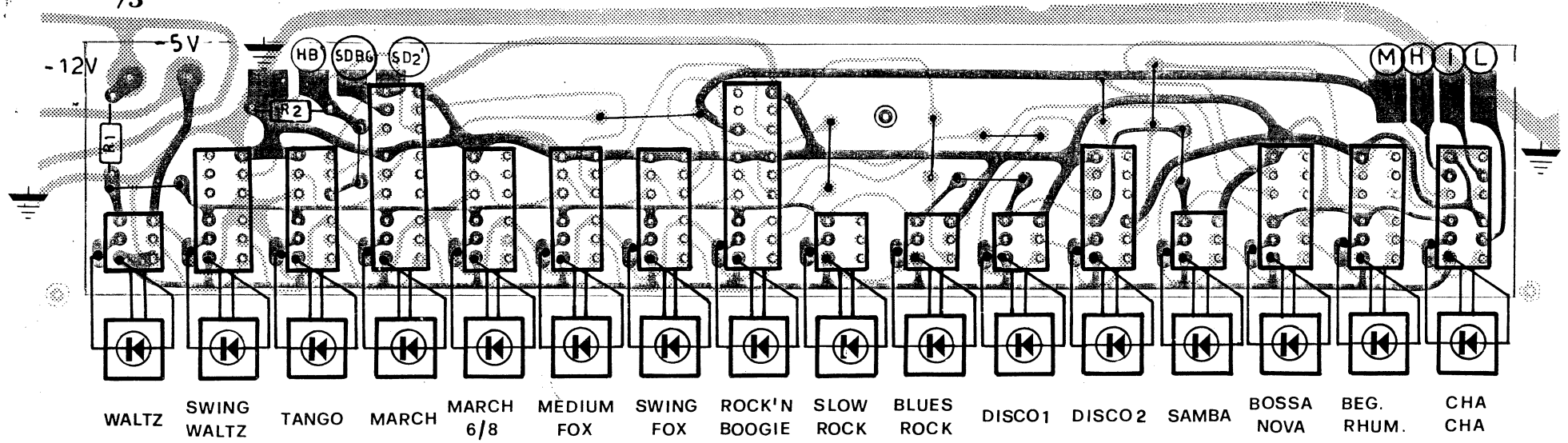
410CST1056 (477GR10560)



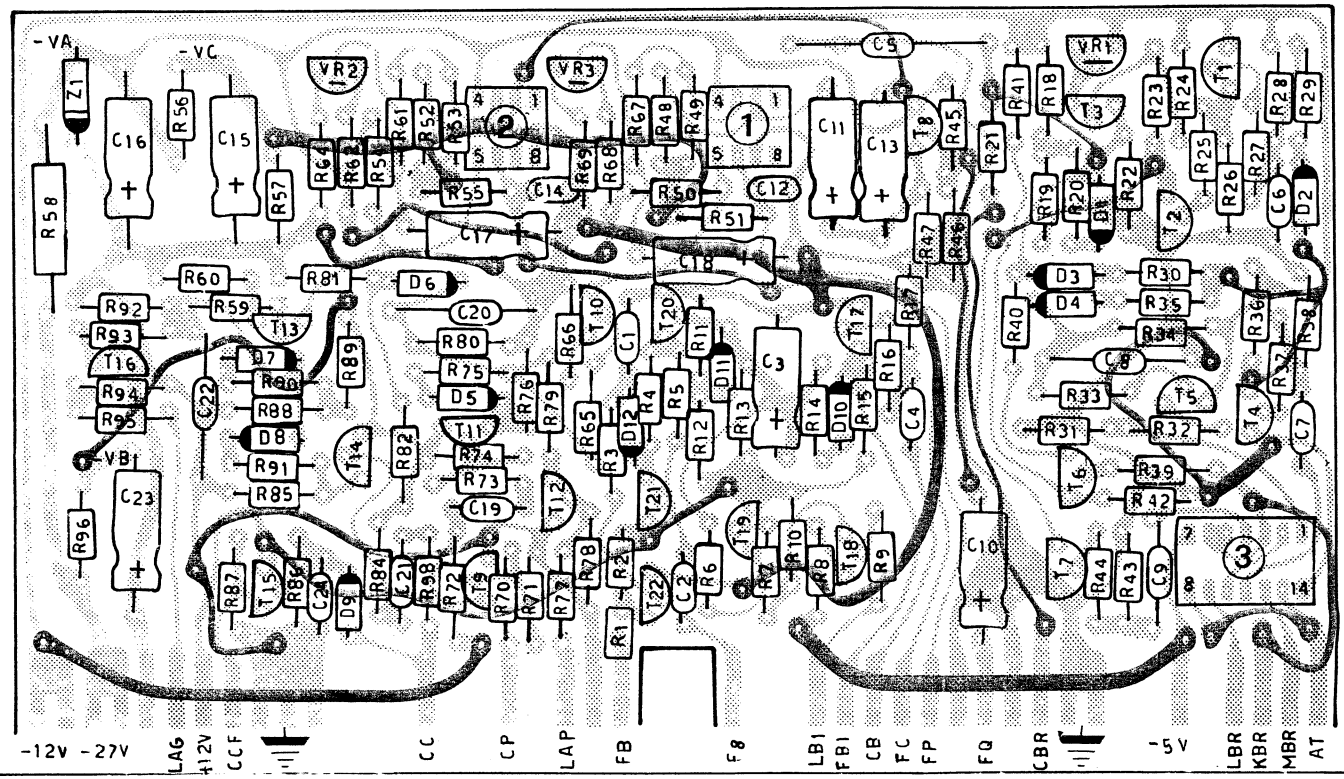
	Model	Object:	Sheet No 60-62
	ARTIST 707	Inside view of the organ	Date 11-7-80


410CST1055
BRASS
BASS
PIANO
Selected point 6
See Sheet No. 61-62 410CST1065
See Sheet No. 51-62 410CST1053
See Sheet No. 51-62 410CST1052
See Sheet No. 61-62 410CST1056
See Sheet No. 55-62 410CST0735
See Sheet No. 51-62 410CST1052
See Sheet No. 51-62 410CST1052
See Sheet No. 51-62 410CST1053
See Sheet No. 57-62 410CST1054
See Sheet No. 61-62 410CST1056
See Sheet No. 61-62 410CST1056
See Sheet No. 61-62 410CST1056
See Sheet No. 61-62 410CST1056
See Sheet No. 51-62 410CST1052
See Sheet No. 61-62 410CST1056
See Sheet No. 57-62 410CST1054
AT
MBR
LBR
KBR
CBR
LB1
CB
FB1
FB
FQ
FP
FC
CP
LAP
CC
LAG
CCF
-27V
+12V
-12V
-5V
-VC
-VA
-VB
4011 { Pin 7 = -5V
Pin 14 = ⏚
INTEGRATED CIRCUITS
CODE | TYPE | MANUFACTURED
1÷2 | CA 3080
3 | 4011
CODE | TYPE | TRANSISTORS
T1-T3-T5 T11-T14 T15-T17 T18 | NPN | BC173 B
T2-T4-T6 T7÷T10 T12-T13-T16 T19÷T22 | PNP | BC415 C
Model ARTIST 707
Object:
Sheet No. 59-62
Date 15-6-80

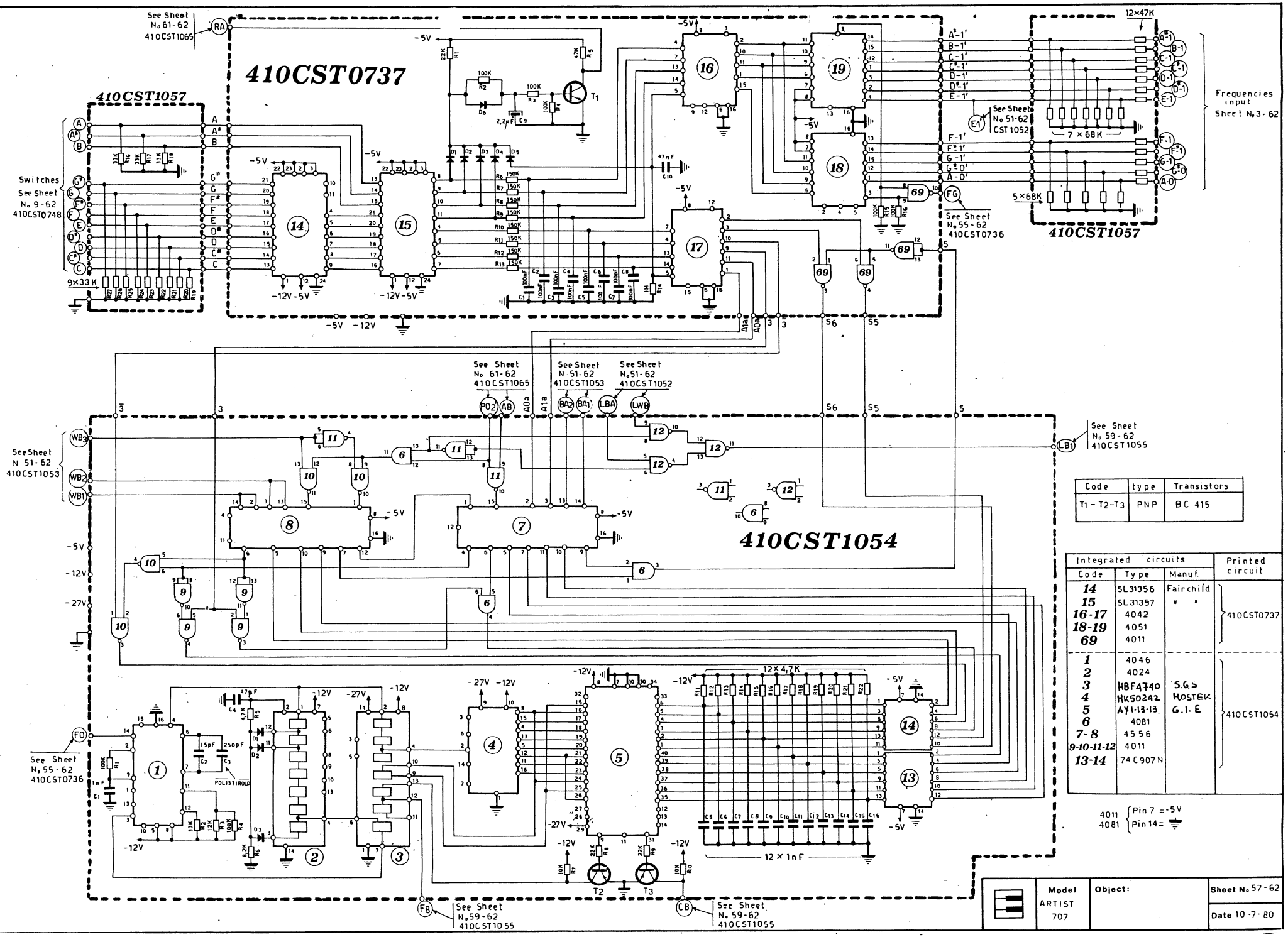
410CST1063 (457PR10630) 410CST1064



410CST1055 (477GR10550)



	Model	Object:	Sheet No 58-62
	ARTIST 707	Inside view of the organ	Date 10-7-80



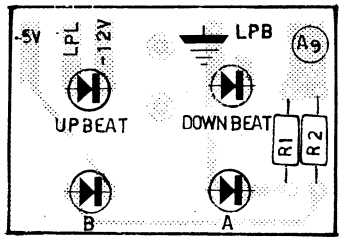
Code	type	Transistors
T1 - T2 - T3	PNP	BC 415

Integrated circuits			Printed circuit
Code	Type	Manuf.	
14	SL31356	Fairchild	410CST0737
15	SL31357	" "	
16-17	4042		
18-19	4051		
69	4011		
1	4046		410CST1054
2	4024		
3	HBF4740	S.G.S	
4	HK50242	HOSTEK	
5	AY1-13-13	G.I.E	
6	4081		
7-8	4556		
9-10-11-12	4011		
13-14	74C907N		

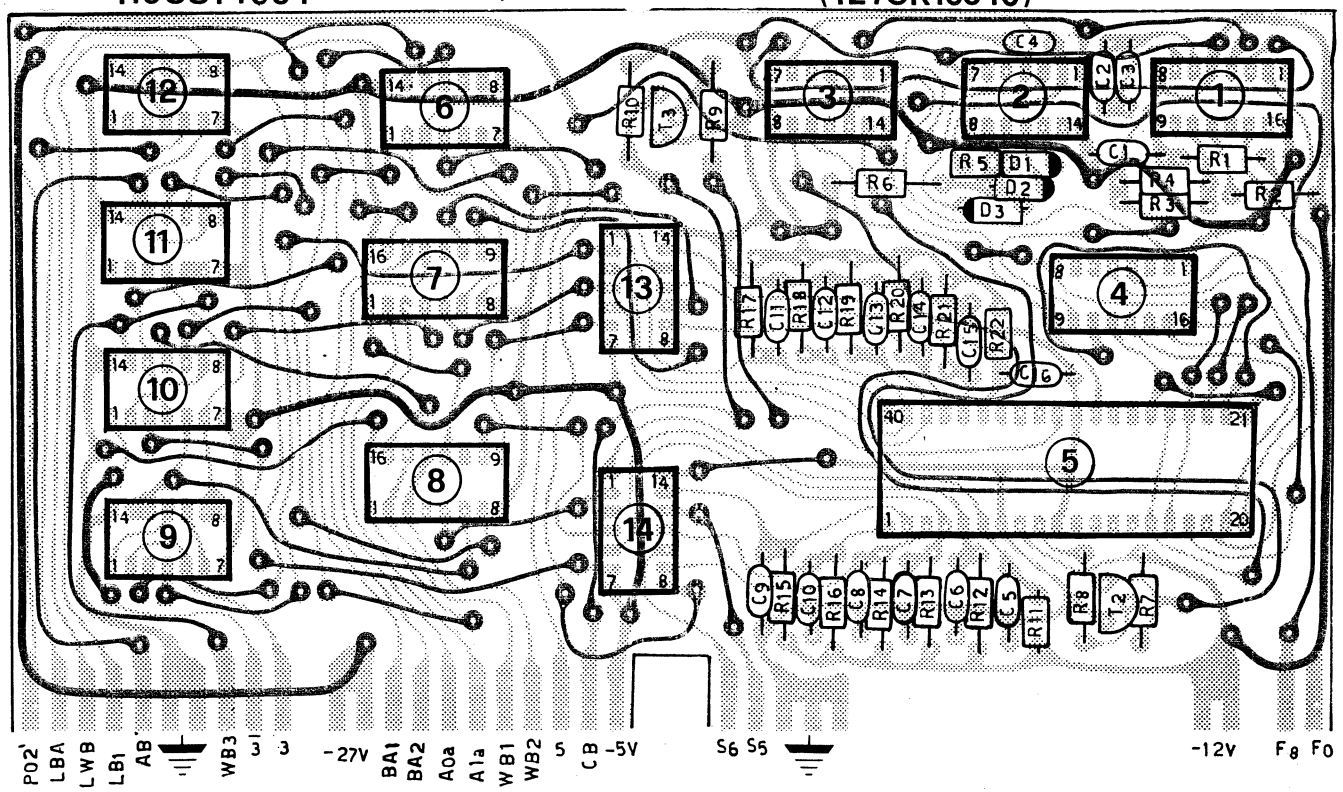
4011 / 4081 { Pin 7 = -5V, Pin 14 = ⏚

Model	Object:	Sheet No. 57-62
ARTIST 707		Date 10-7-80

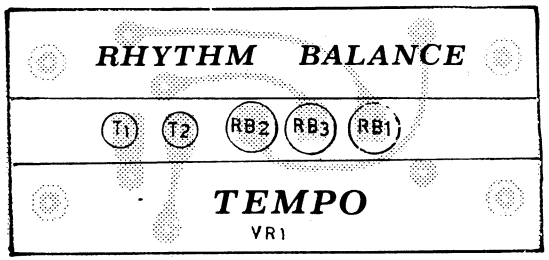
COPPER SIDE
410CST1059
(427PR10590)



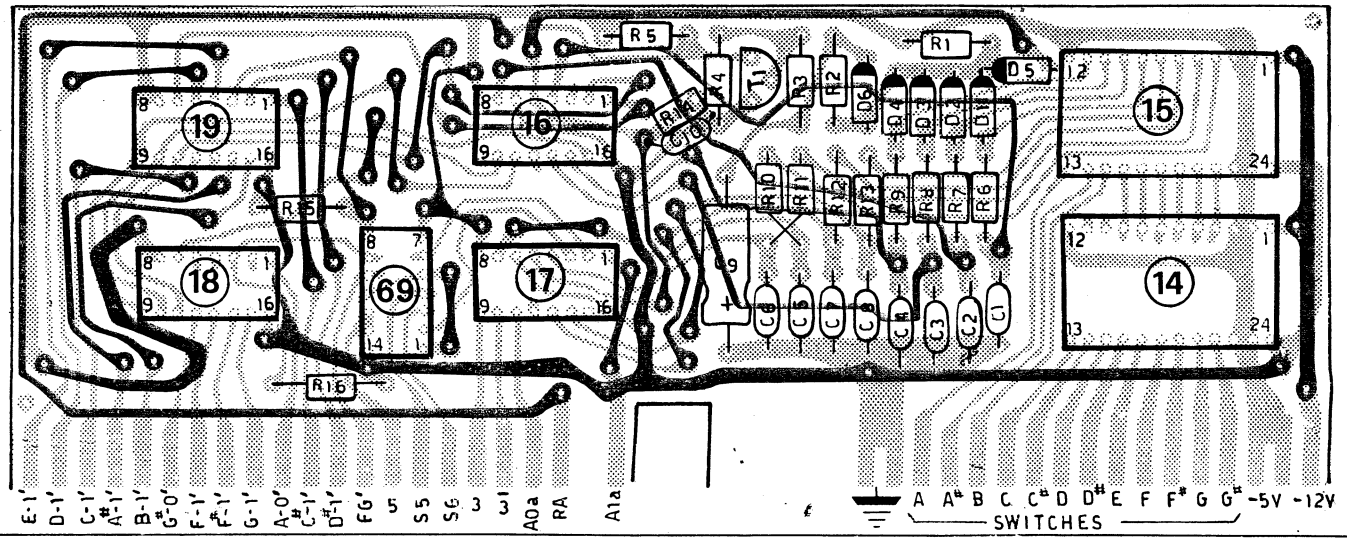
410CST1054 **(427GR10540)**



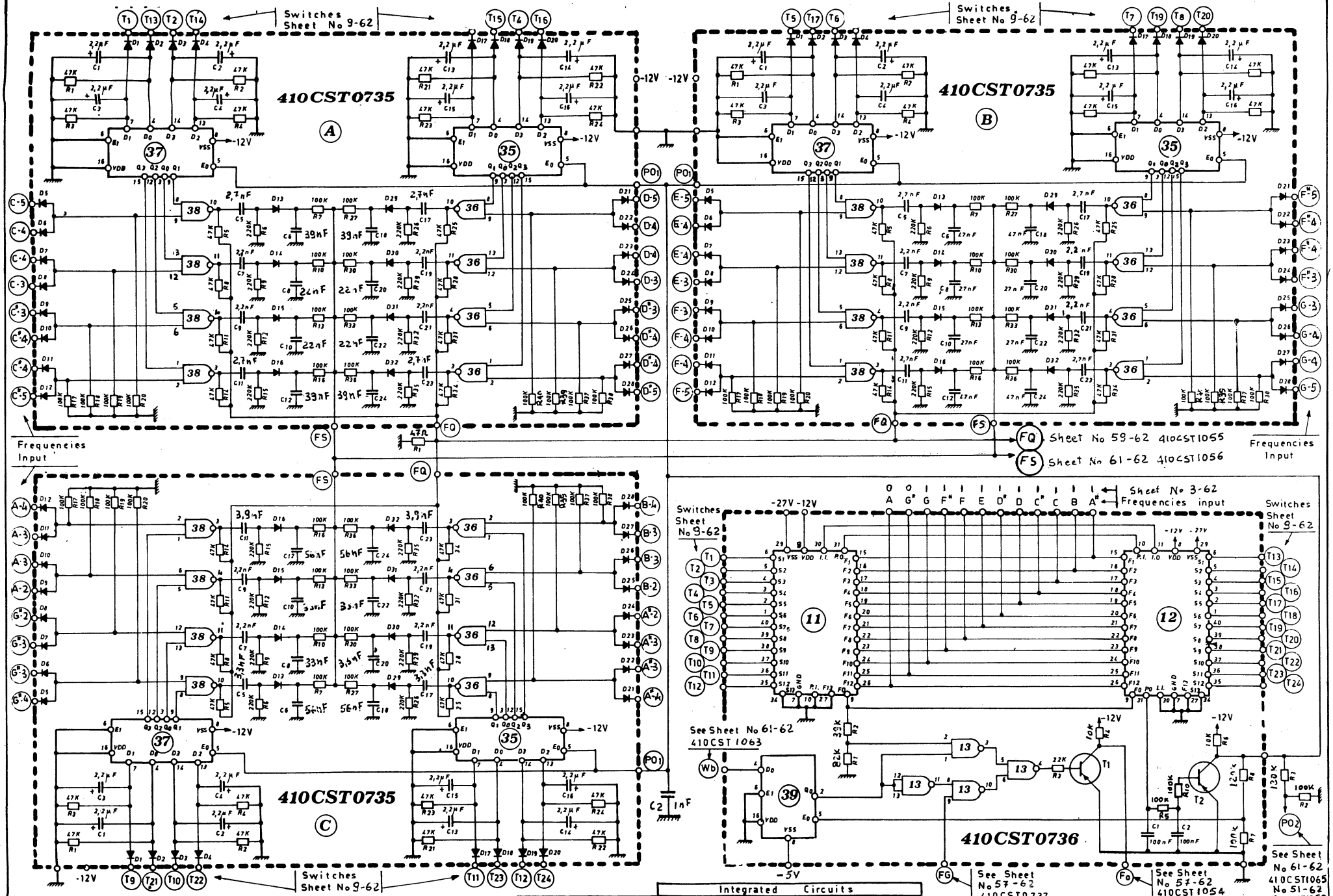
COPPER SIDE
410CST1066
(427PR10660)



410CST0737 **(427GR0737B)**



	Model	Object:	Sheet No 56-62
	ARTIST 707	Inside view of the organ	Date 10-7-80



Code	Type	Transistors
T1 - T2	PNP	BC 415 C

36 38	Pin 7 = -12V Pin 14 = GND
13	Pin 7 = -7V Pin 14 = GND

Integrated Circuits		
Code	Type	Manufactured
36-38-13	MC 4011	
35-37-39	MC 4042	
11 - 12	AY-1-13-13	G. I. E.

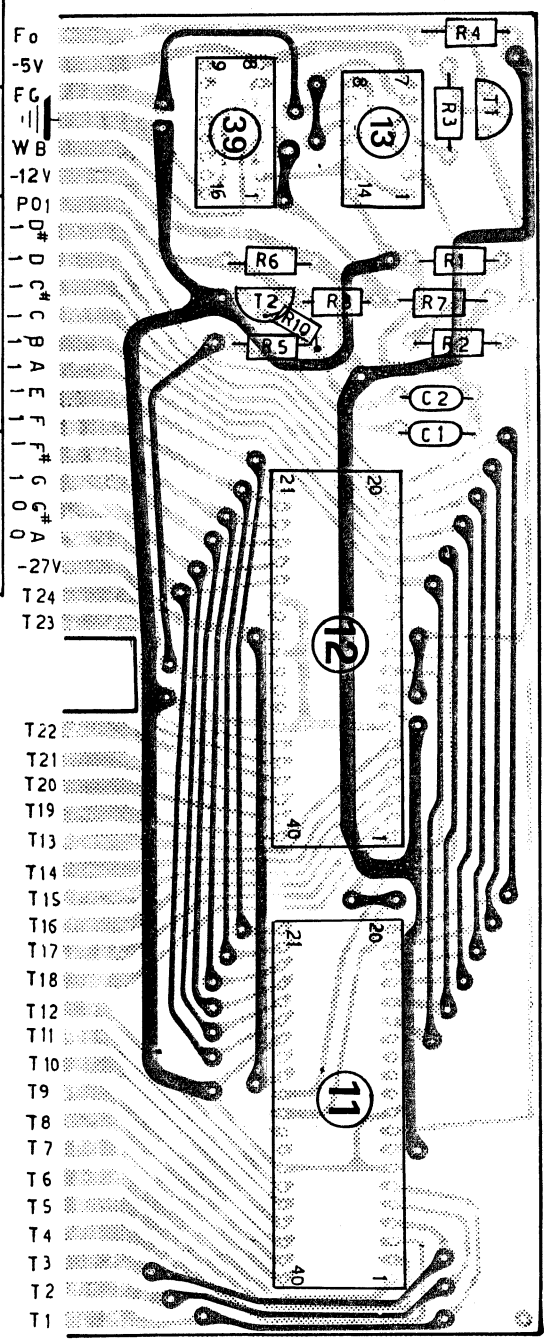
	Model ARTIST 707	Object: Board 410CST0735-736	Sheet No 55-62
			Date 9-7-80

Model ARTIST 707

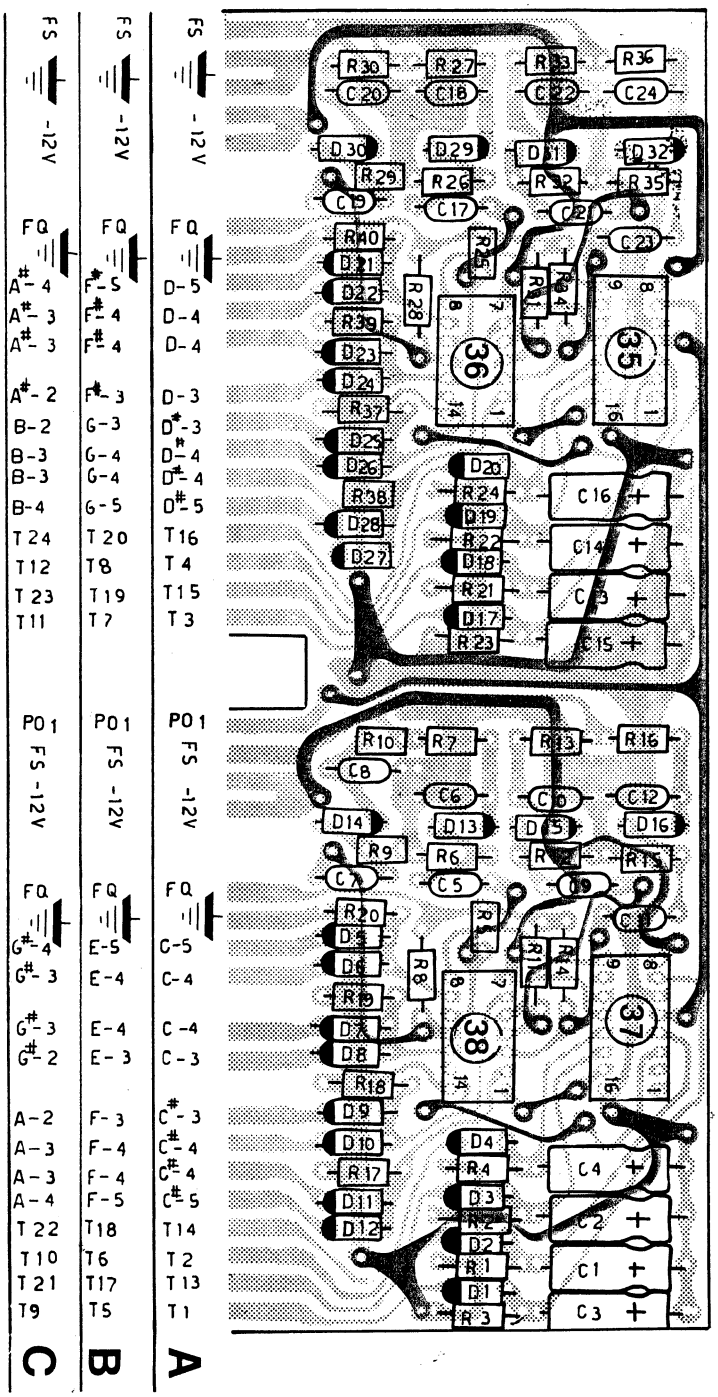
Object: Inside view of the organ

Sheet No 54 62

Date 11-7-80



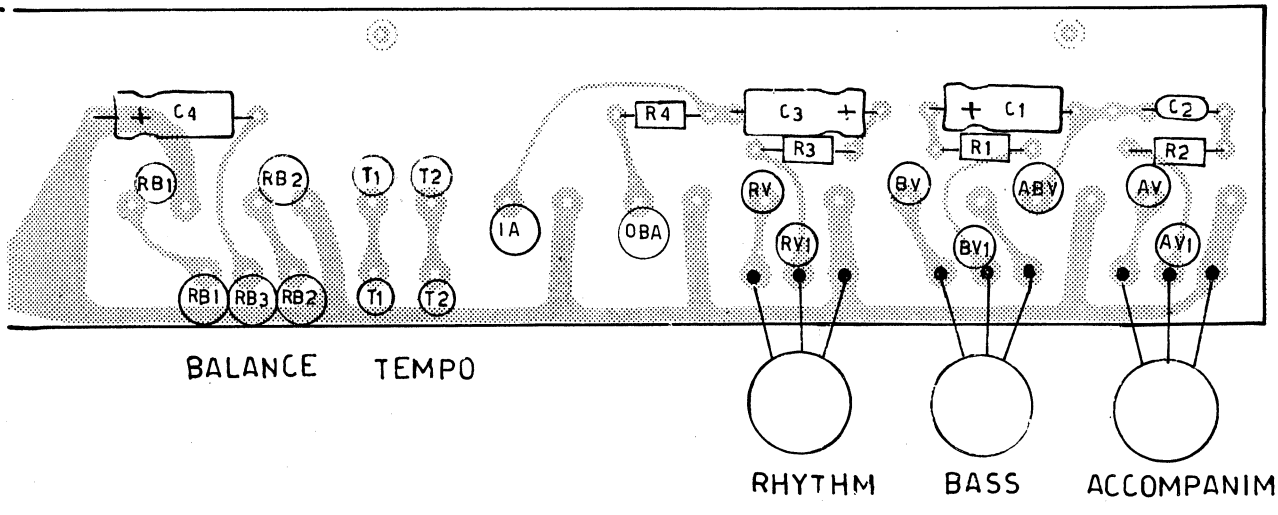
410CST736 (427GR0736B)

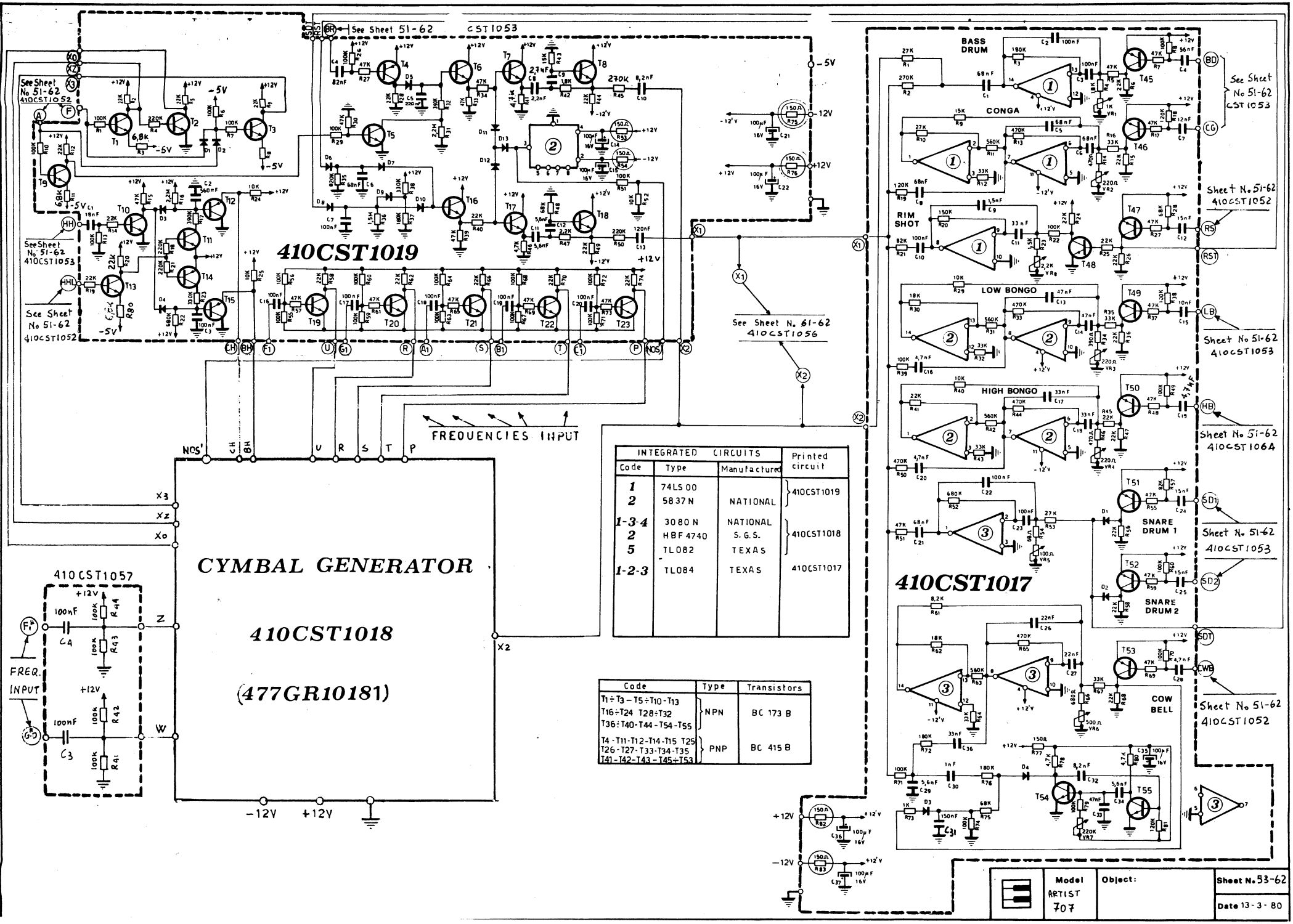


410CST0735 (427GR0735A-B-C)

1/3

410CST1063 (477GR10630)





INTEGRATED CIRCUITS			Printed circuit
Code	Type	Manufactured	
1	74LS 00	NATIONAL	410CST1019
2	5837 N		
1-3-4	3080 N	NATIONAL	410CST1018
2	HBF 4740	S. G. S.	
5	TL082	TEXAS	
1-2-3	TL084	TEXAS	410CST1017

Code	Type	Transistors
T1÷T3 - T5÷T10 - T13 T16÷T24 T28÷T32 T36÷T40 - T44 - T54 - T55	NPN	BC 173 B
T4 - T11 - T12 - T14 - T15 T25 T26 - T27 - T33 - T34 - T35 T41 - T42 - T43 - T45÷T53	PNP	BC 415 B

Model	Object:	Sheet N. 53-62
ARTIST 707		Date 13-3-80